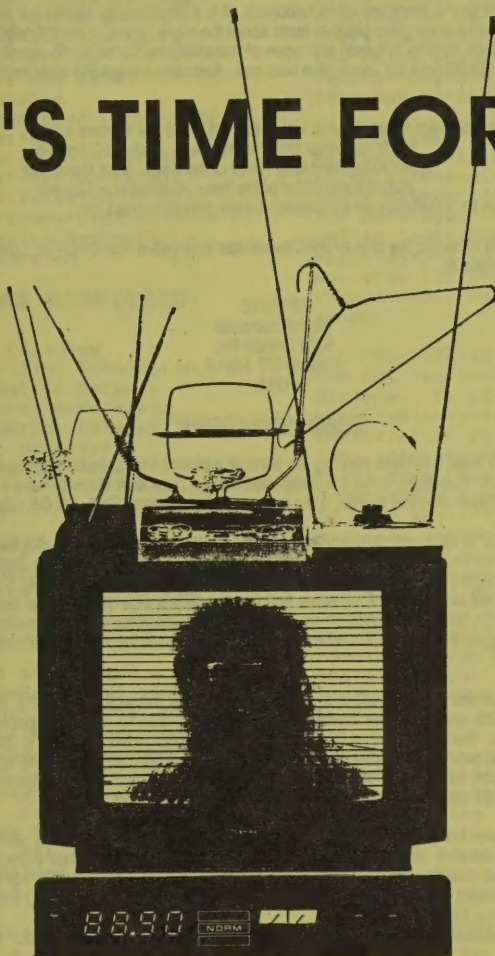


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MAY 1993

IT'S TIME FOR...



E-SKIP!

ANARC

UPDATE

WINTERFEST '93

This year's Winterfest was held during the weekend of February 19th to the 21st in Kulpsville PA. It was a success. About 200 DX'ers attended this year's event. The Winterfest was started several years ago by a group of Philadelphia DX'ers belonging to the DX club NASWA who felt there was a need for a Short Wave DX'ers convention in the winter months. It has become an all band convention held yearly and endorsed by ANARC.

Dan Cashin was our representative at the Winterfest. He manned a table for us and gave out WTFDA literature. He attended the ANARC meeting. And he had a great time! On behalf of the club, I'd like to extend a big thank you.

Conventions are a great way to meet our fellow hobbyists. It is a great way to spread our enthusiasm about FM and Television DX'ing. And conventions are a great place to learn about the many facets of the DX hobby. I am amazed at the diversity of interests, from the large number of bands and types of transmissions DX'ed to the use of computers in our hobby. Summer is nearly here, so why not attend a DX convention near you. And keep a weekend open next March (10th to the 12th) for Winterfest '94.

The Annual ANARC Awards were handed out at Winterfest '93. And the winners are:
North American DX'er of the Year- Richard D'Angelo.
North American Utility DX'er of the Year- Mike Hardester
International DX'er of the Year- Gabriel Ivan Barrera

If you have a suggestion for a nominee for an ANARC Award, please contact me.

If anyone is interested in receiving the new ANARC newsletter now called the "UPDATE," please send one dollar and a self addressed stamped envelope to:

UPDATE
c/o Bill Kurrasch
5607 Lincoln Rd.
Ontario NY 14519
USA

SPRACHMAN'S CORNER

First, the mail. Stephen West has been sending me parts of a project he has been working on, an atlas of UHF full and low power television stations. Hopefully, when it is completed we can persuade Steve to have it plugged in the VUD. If anyone is interested in helping Steve with this project, write to him at 26 Dougherty Blvd, Apt G8, Glen Mills PA 19342.

The DX show "SIGNALS" is no more. It disappeared in January quite unexpectedly. But fear not, for those DX junkies who want their news fresh there is Glenn Hauser's DX DAILY. It is on Short Wave radio station WHRI, 9490 kHz, Monday through Friday 9 to 9:15 pm EDT. Beginning this month is a new show to replace SIGNALS on WWCR 7435 kHz on Saturdays at 11:35 pm EDT. It will have many of the same features as signals as well as several new features. On the Satellites, there is the LET'S TALK RADIO NETWORK, on Spacenet 3, Transponder 18, audio subcarrier 5.8, wideband audio, 9 pm to 12 midnight, 7 nights a week. LTRN concentrates on news about the satellite industry and related technologies.

The changes occurring on the Satellites are at a rapid rate. New over the past two months: the Z Music Channel (G1/15) with a Christian Hard Rock and Rap video format. GEMS Television (S2/24), aimed at Spanish speaking women with Novelas, and shows on fashions. Also in Spanish is the Canal de Noticias NBC (S2/5). Women in Saris and movies from the Indian Subcontinent make up the programming day on TV ASIA (G3/7). To figure out who moved where, you need a score card. Speaking about score cards, forget about watching Major League Baseball in the clear. Almost all the backhails are encrypted. At least with Basketball and Hockey, encryption was the exception and not the rule.

New on the radio scene on Long Island is WBZO 103.1 from Bay Shore NY. How many radio stations can say that their transmitting tower is a light house? The station started life as WBSI. A week before their expected sign-on date, WBLI 106.1 in Patchogue NY filed suit charging that there would be confusion with the call letters. WBSI was allowed to begin broadcasting, their ID announcement was "WBSI Bay Shore, B103, not to be confused with WBLI Patchogue."

Also new on 103.1 is WJUS from Bergen County NJ. They call themselves "Juke Box Radio" and play Pop-Standards from the 1940's.

Finally, I've seen W070C on the ID screen with the "WNYX" stations (W38AM, W44AI, and W54AY). Does this mean that the psychics are now seen in Philadelphia?

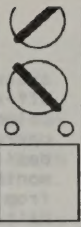
Till next time, best of DX this summer,

Steven P. Sprachman.

TV News

Doug Smith
14 Brookside Court
Nashville, TN 37209

615-356-8305
CIS 72777,3143



Abbreviations used in this column:
ERP= Effective Radiated Power,
in kilowatts
HAAT= Height Above Average
Terrain, in meters
AAT= Above Average Terrain
AG= Above Ground
ASL= Above Sea Level
nc= no change
TL= Transmitter (and tower)
Location
CP= Construction Permit
MP= Modification Permit
(modification of CP)
*= Non-commercial
CRTC= Canadian Radio-TV
Commission

APPLICATIONS DISMISSED:

St. Ch. City, Licensee
NC 38 Greenville; Scholastic
Information Network
NY 56 Syracuse; Scholastic
Information Network
UT 12 Logan; Scholastic
Information Network

OTHER STUFF

Yep, that's it, only three classified legals this month, all of them relatively meaningless unless you work for the Scholastic Information Network!

I guess I should add a station to the "STATIONS OFF THE AIR" classification-- TV Marti, whose balloon was pulled loose from its tether by bad weather on March 4. Officials said the transmitter was located 5km away on Little Knock 'em Down Key. (don't you love that name?!) Damage hasn't yet been assessed. In 1991, TV Marti blew into the Everglades & was off the air for a month.

WMTT-28 Cookeville, Tenn. has been sold; this may (or may not...) indicate an imminent return to the air for this dark station. Also sold was KOOG-30 Ogden/Salt Lake, Utah, which was sold to a religious organization.

A hearing has been ordered over who gets the license for non-commercial channel 39 in Bakersfield, California. The competing applicants are Community TV of Southern California (KCET-28

Los Angeles) and Valley Public Television. (KVPT-18 Fresno)

An appeals court in Washington has upheld the must-carry provisions of the Cable Act. One of the judges said he was convinced cable's opposition had nothing to do with First Amendment rights, only with economic concerns. Barring a successful appeal by cable firms, systems will be required to carry all qualifying stations within 60 days of the date the rules are published in the Federal Register. (which means late May or early June)

15 days later, stations will be required to decide whether to force carriage, or try to negotiate for a payment from the cable system for carriage. (in the latter case, called "retransmission consent", if negotiations fail, the cable system may drop the station) Stations may change their mind every three years.

In related Cable Act activity, the FCC has taken two major actions. First, they've ordered most cable systems to roll back subscription rates by approximately 10%. Second, "program-access" rules have been adopted, forcing programmers like CNN, HBO, and USA to make their fare available to wireless cable, DBS, and other alternative technologies. (if you've ever wondered just how bureaucratic FCC rulings can be, note that the rate-rollback order summary-- not the order itself-- required three pages of 17 characters-per-inch type to reproduce in Broadcasting magazine!)

And, in an attempt to raise enough money to pay for the cost of implementing the Cable Act, the FCC is considering imposing user fees on cable systems. The exact structure of the fees hasn't been decided.

John Walson died in Allentown, Penna. on March 27. Walson was responsible for the first CATV system. He sold GE TV sets in Mahanoy City, Penna., and realized that his sales were limited by poor reception, caused by hilly terrain. At first, his service was provided for free.

An advertisement in Broadcasting indicates that CBS's WCIX-6 Miami has signed an LMA with WDLF-35 in that city. It's unclear what kind of programming CBS plans

to air on channel 35. WDLP and WCIX have their towers in south Dade Co., some 50km south of the remaining Miami-area stations. (actually, WCIX is currently broadcasting from the WTVJ-4 tower in north Dade, after the channel 6 tower was destroyed by Hurricane Andrew, but CIX is rebuilding near their old site)

WKYT-27 Lexington and WYMT-57 Hazard, and two Lexington radio stations, now belong to the state of Kentucky. The state's insurance regulation department took over the assets of Kentucky Life Insurance Co., the stations' owner, after the insurance company got into financial trouble.

Also in trouble is Lorianne Crook's new LPTV in Branson, Mo.. (anyone have any details on this? The only Branson station I show is K25BD, a TBN) Dr. Joe Bryant, a Lebanon, Tenn. dentist, claims Crook and her husband, Jim Owens, owe him \$2,000,000 for the purchase of dark WJFB-66. Owens' firm went bankrupt in 1991 after producing several months of programming for WJFB. Channel 66 was unable to get on the Nashville cable system.

British video equipment firm Quantel has demonstrated a device that records up to 90 minutes of randomly accessible digital video & audio on 3-1/2" computer hard disks. (sixty hard disks are used!) Because it's random-access, video and audio can be instantly manipulated & edited. The "Clipbox" lists for \$540,000. A previous Quantel device, the "Harry", recorded up to 90 seconds of video in RAM memory.

The city of New York and New York State have given CBS \$50,000,000 in incentives, including sales tax exemptions, investment incentives, and energy cost reductions, to keep them from moving to New Jersey. A previous agreement gave NBC \$73,000,000 to stay in NYC (and they've moved some operations to Ft. Lee, NJ and Charlotte, NC anyway..), and now ABC says they expect similar treatment.

LPTV WATCH

This will be a new section, which will report changes to LPTVs & new LPTVs on the air, as reported by you, the readers. (I have no reliable source of official LPTV information, and in any case, the

sheer volume of LPTV legals for off-air stations would dominate the column.) Good information on operating LPTVs is, however, desired & appreciated. This month's is courtesy of phone calls from John Combs and e-mail from Matt Sittel.

Call St City; programming W47BP MS Hattiesburg; WMAH-19 (PBS) K22DP TX Bryan; Video Jukebox K33DB TX Houston; KTFH-49 (Spanish) K57FH TX College Stn.; this TBN has moved to channel 47.

FORUM

Mike Hawk, Omaha, NE:

Ouch. Mike caught me with a rather serious error in my March column, under "RF, Cancer, and TV Broadcasts". I wrote that a 3000kW UHF-TV is 5000 times more powerful than a 0.6W portable cellular phone. Obviously, this is incorrect-- it's really 5,000,000 times more powerful.

This is a fundamental error that damages (but doesn't destroy) the basis of the article. After allowing for the different distance from the transmitting antenna, the RF field from the UHF-TV station is, in fact, roughly 1/2 that of the phone. (not 1/1800) It is, however, still true that this power will drop off relatively quickly as you move away from the base of the tower. It's just that I'll be treating UHF-TV towers with more respect in the future...

John Combs, Orlando, FL:

John caught me in another error. (I wasn't having a very good month!) In the April column, I'd written that WGGG-16, WGSE-43, and KMCT-39 are TBNs. John says that the licensee of these stations, Carolina Christian Broadcasting, has severe theological differences with Paul Crouch & his friends at TBN, and seriously doubted that any CCB-owned stations would carry TBN.

I inferred that from a list of TBN affiliates printed in the May 1991 VUD, which listed WGGG-16. Matt Sittel says he has, indeed, seen some TBN on WGGG, but not on WGSE; neither WGSE nor KMCT is listed in the TBN list either. Which would enforce the suspicion that WATC-57 Atlanta will end up an independent religious station.

Mike Reid, North York, ON:

Writing from Florida, Mike has a few notes. With regard to WYDP-25 being sold to the Univ. of North Florida, Mike wonders what the University plans to do with it, given that Jacksonville already has a PBS affiliate (WJCT-7), and WUFT-5 Gainesville is on cable there. That's a good question, but several cities do have multiple educational stations. In some places, the second stations air PBS programs at shifted times; in others, instructional or classroom programs are aired.

With regard to KNRR-12, Mike informs me that the CRTC usually allows only four USA stations on any given Canadian cable system; usually, ABC/CBS/NBC/PBS affiliates are carried, this makes it difficult for Fox affiliates (like KNRR) to get onto Canadian cable systems. He also speculates that the channel 13 allotment (CHMI-13 Portage la Prairie) was created specifically to hamper reception of KNRR.

With regard to recently-returned-to-the-air WMFD-68 in Ohio, Mike asks whether this is really the same station as the WCOM-68 that went off a few years back. Well, that depends on how you define "same station" but I'd say yes. It takes the FCC several years to revoke the license of a dark station (indeed, I don't know of a station that was on the air at one time but lost its license for inactivity) and I know that the WCOM license was transferred, intact, to the new owners.

The exact definition of when a station came on the air can be rather difficult though. Mike mentions the case of WKBF-61 Cleveland, which went off in 1974. In 1980, the channel was resurrected as WCLQ-61. (now WQHS) Did WQHS come on the air in 1968 (WKBF's start date), 1980 (WCLQ's start date after a dark period), or 1986? (when the license was transferred to its current owner)

Even more difficult, what happens when stations lose their license & a new license is issued to another licensee, with little or no intervening dark period? While rare, two Boston stations suffered this fate. WHDH-5 (yea, I know, WHDH is now channel 7, but that's a different story!) lost its license in 1972; a new licensee returned the station to the air the next

day-- reportedly using new equipment, especially unusual as in most cases of lost licenses, the new licensee buys the equipment from the old one. As a result of this incident, the Television Factbook lists channel 5 as having come on the air in 1972-- although it had, in fact, been broadcasting since 1957.

In another case, channel 7 (then WNAC-TV, later WNEV-TV, and now WHDH-TV!) lost its license in 1982; the channel was awarded to a combination of two competing applicants. However, for some reason, this station is still listed as having come on the air on its original date in 1948!

None of the above necessarily reflects official WTFDA policy on what constitutes a new station for purposes of reporting to the DX Statistics columns.

Finally from Mike this month, a clipping from the Florida Times-Union of Jacksonville. A local woman was showing her 6-year-old granddaughter from Nebraska around the city. The girl's uncle is an engineer for WJKS-17; when the grandmother reached the Hogan Road tower farm, she pointed out the WJKS tower & said "That one on the right is your Uncle Bill's tower." To which the girl replied, "Ooooh, that's great. Which one's yours?"

NASHVILLE '93

A pre-registration form will be in this month's VUD. If you're planning to attend (we hope so!) please fill this out & send it in. If you can't absolutely commit to attending but do plan to be here, please let Tom or myself know that; we need to have a good idea of how many people will be here. Plans are firming up; it should be a good time for all!

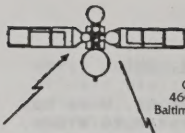
DX etc

Only if one considers a local enhancement to southern Kentucky to be DX... even the shortwave ham bands have been dead... but I've received word of a great Gulf tropo. Hopefully you've gotten in on that, or another opening. Of course, E-skip season is now starting; keep your TV on low-band & your eyes open!

Yeah, a short one this month. Until this freeze thaws, there isn't going to be much to report..

73 

SATELLITE NEWS



George W. Jensen
4604 Annina Avenue
Baltimore, MD 21206-4220

Another month goes by and another round of changes.

On Alascom/Aurora

13 - Sports Channel - Chicago VC2

Why this is here, I don't know. It is also on C1-13 and I'm just wondering if the signal is crossing over to this transponder. I don't think so due to the strong signal.

C-1

5 - Jade TV Hong Kong feed in California has moved here from XPDR 1

9 - Sports Channel Alternate feed

16 - Silent Network/Disability Network here from F4
C-4

18 - Hot Choice Pay-Per-View

21 - Discovery - East

24 - Country Music Television from G-1 15

G-1

5 - All News Channel

10 - Flix

15 - Z - The Christian Music Channel

22 - Nostalgia Television from F4

ASCI

4 - satellite Market USA occ.

T-303

TVN 2 and it's promotional channel are now back to transponders 2 and 24 respectively

M-2

9 - XHFM - Veracruz is now encrypted???

G-6

American Entertainment Network to move to G-3

G-3

1 - Keystone Inspiration Network

2 - Empire Sports

5 - RTP - Lisbon, Portugal feed to US

7 - evenings - TV Asia

9 - Satellite Market USA

14 - Caribbean Satellite Network

16 and others - Shop-At-Home

21 - MBC Movie Channel

22 - Showcase America

24 - American Entertainment Network

Note - AEN and Showcase alternate transponders.

AEN actually switched transponders in the middle of movie the other day with no advanced notice - they just switched.

Galaxy 7

7 - ID Channel

many feeds here now both C and KU. CNN International has been noted in the clear, but using the PAL 615 line standard.

Satcom F4 IS GONE

F-2

7 - Access America/All Night At The Movies/

Many others now using this former All News Channel transponder

17 - Many users here - Sports Channel Plus/Sports Channel New York/Sports Channel America East

S2

24 - Gems - Television for Hispanic Women

Intelsat 513 - 53 west

16 - BBC World Service lately in the clear in NTSC

Intelsat 506 - 50 West

6 - Gems - see S2-24

10 - SUR as on S2 22 - non encrypted

Note that this is not a geo-stationary orbit.

That all for now - see you in 30.

change



STATISTICS

FRED NORDQUIST
7945 BOXFORD RD
CLAY, NY 13041
DEADLINE: THE 5TH

UPDATED 3/13/93

FM SCOREBOARD

DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS OF:
DYER	PAT TX SAN ANTONIO	2534	403	2071	67	0	44+	4	21	5	75	70	02/28/92
STROBEL	RALPH IN MUNCIE	2108	561	681	164	7	43+	7	2	2	55	72	12/01/92
MERRILL	FRANK IL MACOMB	1963	?	804	8	8	47	8	6	2	63	?	07/19/92
BUNTIN	DANNY OK STILLWATER	1957	325	1163	4	0	48+	5	9	2	65	74	09/01/92
PUGH	KEITH AL NEW HOPE	1907	297	964	95	18	46+	7	11	5	70	83	02/23/93
ELVING	BRUCE MN DULUTH	1750	318	1375	9	8	47+	4	1	0	53	48	02/10/92
EBELING	JOHN MN BLOOMINGTON	1744	298	1001	48	83	47+	6	5	0	59	52	01/01/93
FELA	JOSEPH NJ S. PLAINFIELD	1684	358	899	2	10	37+	6	0	3	47	68	12/26/92
NORDQUIST	FRED NY CLAY	1616	340	795	46	59	41+	5	0	3	50	69	02/08/93
BUGAJ	MIKE CT ENFIELD	1592	234	970	25	23	37+	5	1	3	47	74	01/11/93
CONIGLIO	GREG NY WILLIAMSVILLE	1549	273	769	24	38	41+	8	1	3	53	85	10/18/92
NIEMAN	DAVID NY AKRON	1475	398	454	51	27	43+	8	0	3	55	59	11/03/92
MCCORMACK	FRED ND FARGO	1339	305	990	3	52	48+	6	3	0	58	74	08/03/90
SEYBOLD	BOB NY DUNKIRK	1326	212	611	0	2	45	8	3	3	59	58	06/24/90
EBELING	JOHN MN PROSIT	1247	243	836	3	6	48+	9	2	0	60	75	01/01/93
JEFFERSON	JOHN CA DIABLO REGION	1212	274	705	?	1	29	4	6	0	39	74	11/14/92
SMOLAREK	BOB NJ OLDWICK	1046	175	458	2	4	36+	4	0	2	43	78	01/10/93
ALLEN	DOUGLAS CO WOODLAND PARK	1019	147	778	76	18	39	5	4	0	48	88	02/04/93
BRUMFIELD	DAVE IN RICHMOND	897	165	325	15	0	36	4	2	2	44	81	09/01/91
HOLBROOK	HANK MD CHEVY CHASE	866	224	234	18	0	35+	6	0	3	45	59	10/05/91
NICHALEK	ALAN MA SPRINGFIELD	812	106	495	0	0	36+	5	0	0	42	52	10/01/90
ROSS	ROBERT ON LONDON	760	214	308	0	0	34	7	0	2	43	76	07/27/92
OETTING	DANIEL PA EXTON	756	190	250	9	2	34+	6	0	0	41	77	06/07/91
HAWK	MIKE NE OMAHA	752	140	228	23	0	44+	2	4	0	51	91	08/24/92
SHAFTAN	RICHARD NJ ROCKAWAY	748	170	254	6	0	33+	4	0	1	39	78	06/29/92
JEFFERSON	JOHN CA ANTIOCH	710	172	358	43	1	21	4	4	0	29	88	11/14/92
GREENE	GEORGE OH AKRON	706	54	234	0	0	33+	3	0	0	37	71	03/09/91
BRUMFIELD	DAVE IN MUNCIE	682	149	65	1	0	29	1	1	0	31	79	03/01/90
NIENAJADLY	BILL NJ CLIFTON	640	103	235	8	0	34+	2	0	1	38	75	01/30/92
HALL	D. BRUCE ON BRANTFORD	570	103	44	67	2	39	4	0	1	38	90	06/22/92
NIEMAN	DAVID NY ROCK CITY	461	99	10	2	0	17+	2	0	0	18	91	11/03/92
MEADE	LARRY IL CHICAGO	459	85	65	6	0	23	2	0	0	25	79	09/05/90
SITTEL	MATT NC RALEIGH	456	66	164	0	2	23+	1	3	0	28	88	01/02/92
NOLLMAN	BILL CT NORWICH	453	46	155	17	0	31+	9	0	1	35	81	11/24/91
BRANDENBURG	TODD KS SILVER LAKE	418	68	58	1	0	27	1	0	0	28	80	07/14/92
MANCUSO	GUS MD CHEVERLY	318	55	61	0	0	23+	0	0	0	24	70	06/07/92
HEPBURN	WILLIAM ON BRAMPTON	309	183	83	1	6	21	2	0	1	24	85	11/10/91
RENFREW	JIM NY ROCHESTER	282	70	51	0	0	20+	2	0	0	23	76	07/10/92
MANCUSO	GUS WV BIRCH RIVER	248	28	4	0	0	15	0	0	0	15	87	06/05/92
MOUNT	PAUL NJ MONMOUTH	195	25	20	0	0	17+	0	0	0	18	90	06/17/92
MEADE	LARRY KY PRICE	165	35	0	14	0	10+	0	0	0	11	79	09/05/90
WHEELER	FRANK PA ERIE	162	23	2	0	0	8	1	0	0	9	64	08/20/90
ONYSCHUK	KEN IL RIVERDALE	141	30	0	0	0	7	0	0	0	7	68	06/30/91

• VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Auroras. USA = Total number of states and the "+" = Washington, DC. CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. FO = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 VUD Page 48. Note: Some of you need to update and submit your latest stats to keep the Scoreboard current. Also submit any distance records, states stats and personal best statistics. Remember to include your distances with your FM DX Reports - so I can spot potential distance records. If you want a handy personalized printout of distances between your location and all cities with FM stations in North America and Central America/Caribbean areas for only \$2.00 donation, your order will be filled in just a few days. 73 and good DXing - Fred.

PERSONAL BESTS - FM STATISTICS - 3/93

CHANNEL METRICS - John Jefferson - Antioch CA - (11/14/92)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	11	11	15	12	13	15	17	12	14	16	9	12	9	9	12	15	3	6	8	11	230
.3	15	18	13	11	15	18	15	18	11	12	11	10	17	6	5	8	15	8	20	8	254
.5	7	16	24	15	12	19	14	20	14	8	5	21	6	10	4	15	6	13	3	10	242
.7	10	16	17	13	14	15	14	13	8	8	16	8	19	6	12	11	11	7	12	8	238
.9	15	10	13	12	19	16	10	22	8	20	10	16	7	11	9	18	13	12	3	4	248
TOTAL	58	71	82	63	73	83	70	85	55	64	51	67	58	42	42	67	48	46	46	41	1212

CHANNEL METRICS - Keith Pugh - New Hope AL - (2/23/93) NOTE: Total = 1907 with 90.4 - Cuba.

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	16	13	13	20	42	39	29	8	28	22	20	9	18	17	5	30	21	7	15	19	391
.3	23	7	10	22	17	13	37	36	21	25	15	18	20	20	31	15	5	20	23	5	383
.5	22	7	16	20	28	43	23	24	11	21	17	24	7	24	20	12	17	19	9	18	382
.7	15	7	23	9	15	21	20	29	23	18	26	13	22	16	17	15	10	20	17	10	346
.9	8	14	17	14	29	30	29	10	6	26	19	41	19	20	21	26	28	16	7	24	404
TOTAL	84	48	79	85	131	146	138	107	89	112	97	105	86	97	94	98	81	82	71	76	1906

Personal Bests - John Jefferson - Diablo CA Region (11/14/92)

Farthest Es: 2390 mi. - 89.7 FL

Farthest Tr: 445 mi. - 96.1 OR

Farthest AP: 110 mi. - 99.5 CA

Farthest MS: 1425 mi. - 92.5 TX

Farthest Au: 305 mi. - 103.5 OR

AP = Airplane Scatter

Personal Bests - Greg Coniglio - Williamsville NY (10/18/92)

Top 2 Es States: TX-143 FL-121

Furthest 2 New Tropo Catches

Furthest 2 Es Catches

Top 2 TR/GW States: NY-153 PA-126

o KDL 95.7 MN Duluth-707 mi

o XIMP 90.1 MEX Toluco-1806 mi

Top 2 Frequencies: 104.9-34 99.1-33

o WLL 92.3 MO St. Louis-687 mi

o KJOL 90.3 CO Gr.Junct.-1571 mi

Top 2 Closest Es catches: CBNC 92.3/CBV8 90.1 PQ Thetford Mines-420 mi & CJMF 93.3/CDRL 89.1 PQ Quebec-451 mi

NEW ALL-TIME FM DISTANCE RECORDS - SINCE 12/92 VUD LISTING

3/13/1993

F	MHZ	PR	CALL	LOCATION	DIST	DXER	NAME	DXER	LOCATION	DATE	HRD
N	88.3	ES	CBLL	ON WAWA	1480	PDY-	PAT DYER	SAN	ANTONIO	TX	
R	88.3	ES	WVNI	IN EVANSVILLE	1876	JJE2	JOHN JEFFERSON	PLEASANTON	CA	5/31/88	
N	89.5	ES	WITF	PA HERSHEY	1451	PDY-	PAT DYER	SAN	ANTONIO	TX	11/80
R	89.5	ES	XHME	JALPUERTO VALLARTA	1560	JJE4	JOHN JEFFERSON	ANTIOCH	CA	8/1/92	
R	93.5	AU	KWMS	NE COLUMBUS	452	JEB2	JOHN EBELING	PROSIT	ND	5/10/92	
N	93.5	AU	WLTH	WI NEW LONDON	339	ABO-	ANDY BOLIN	CHARLESTON	IL		
R	94.3	MS	WGRX	FL MARATHON	1272	DHA-	D. BRUCE HALL	BRANTFORD	ON	12/11/92	
N	94.3	MS	WUJU	TN OAK RIDGE	1221	FMC-	FRED MCCORMACK	DES LACS	ND		
R	94.3	AU	WPRE	WI PRAIRIE DU CHIEN	777	DAL-	DOUG ALLEN	WOODLAND PARK	CO	11/8/91	
N	94.3	AU	CFRW	MB WINNIPEG	743	RBR-	RUSS BROWN	ST JOSEPH	MI		
R	94.5	AU	WKLO	MI GRAND RAPIDS	1047	DAL-	DOUG ALLEN	WOODLAND PARK	CO	10/28/91	
N	94.5	AU	WRVS	VA RICHMOND	575	RBR-	RUSS BROWN	ST JOSEPH	MI		
R	94.9	AU	KBGO	IA DES MOINES	633	DAL-	DOUG ALLEN	WOODLAND PARK	CO	10/28/91	
N	94.9	AU	KFMG	IA DES MOINES	600	FMC-	FRED MCCORMACK	DES LACS	ND		
R	96.9	AU	WUAY	MI GRAND RAPIDS	1047	DAL-	DOUG ALLEN	WOODLAND PARK	CO	10/28/91	
N	96.9	AU	WFF6	NJ ATLANTIC CITY	705	STO-	STEVE TORAFFE	VINCENNES	IN		
R	97.5	TR	WPMZ	KY LOUISVILLE	1043	DAL-	DOUG ALLEN	WOODLAND PARK	CO	6/16/92	
N	97.5	TR	WPCV	FL WINTERHAVEN	1027	PDY-	PAT DYER	SAN	ANTONIO	TX	
R	97.5	MS	WHYI	CA SANTA BARBARA	1374	MHA-	MIKE HAWK	OMAHA	NE	12/7/92	
N	97.5	MS	KINT	TX EL PASO	1160	ABO-	ANDY BOLIN	CHARLESTON	IL		
R	98.1	AU	KHAK	IA CEDAR RAPIDS	733	DAL-	DOUG ALLEN	WOODLAND PARK	CO	11/8/91	
N	98.1	AU	KUDL	MO KANSAS CITY	549	FMC2	FRED MCCORMACK	FARGO	ND		
R	98.3	AU	KQYB	MN SPRING GROVE	764	DAL-	DOUG ALLEN	WOODLAND PARK	CO	10/28/91	
N	98.3	AU	KXLC	ON KINGSTON	684	ABO-	ANDY BOLIN	CHARLESTON	IL		
R	99.7	AU	KFMH	IA MUSCATINE	757	DAL-	DOUG ALLEN	WOODLAND PARK	CO	11/8/91	
N	99.7	AU	WMC	TN MEMPHIS	591	FMC-	FRANK MERRILL	MILAN	MI		
R	100.9	MS	WALX	AL SELMA	923	JEB-	JOHN EBELING	BLOOMINGTON	MN	8/12/92	
R	101.7	AU	WKZD	SC MYRTLE BEACH	529	RSM-	BOB SMOLAREK	HIGH BRIDGE	NJ		
N	101.7	AU	WILS	MI LANSING	291	FMC-	FRED MCCORMACK	DES LACS	ND		
N	105.7	MS	KHCB	TX HOUSTON	1065	JEB-	JOHN EBELING	BLOOMINGTON	MN		
R	105.7	MS	KOZZ	NV RENO	1405	JEB-	JOHN EBELING	BLOOMINGTON	MN	1/4/89	
R	105.7	AU	KXEL	IA WATERLOO	593	FMC-	FRED MCCORMACK	DES LACS	ND		CORRECTION

:SOUTHERN·FM DX:

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

MAY 1993

DEADLINE 14th

ES TIME IN AUSTRALIA

MARCH'S GULF TROP RETURNS

TV-FM DXING DESERVES SOME PROMOTING

This month SFM goes international with Australia reporting for the first time in quite some time. New Zealand is one place Australia can receive via Es. For further insight for what else is possible in Australia, don't miss the DXer's interesting comments that follow his lodgings. For further international flavor, one reporter tells what was available to be heard during his stay in the Dominican Republic. Looking elsewhere for DX, March often works out as the one major month for gulf trop, and so one Florida reporter pulled in 3 days worth of it approaching 1000 miles.

There was no SFM last month due to no reports, which brings up a good time to suggest ways of promoting the hobby of TV-FM DXing. This little hobby of ours surely deserves more promoting than it currently gets. Over the last decade the rise of cable TV surely was rough on TV-FM DXing. Hooking up to cable got people off antennas in droves. These days cable companies are trying to coax remaining holdouts by offering them a less expensive broadcast only package. And of course, while cable was booming so were the airwaves with new stations coming on. To counteract this, perhaps some of the fine writers of the club could contact editors of certain publications and offer to do a piece on TV-FM DXing. Publications to target could be those with reading audiences in usually good positions to take up the hobby of DXing. For instance, this could mean retired people. Some of those folks are abandoning the urban rat race entirely by moving to DX friendly places, like small towns. Some California retirees are moving to such places in Oklahoma and Arkansas. They are attracted there to the lower cost of living and because their parents migrated from those two states during the Dustbowl days. It's like the Grapes of Wrath story in reverse. Another potentially good audience to target for DXing are the folks living in rural areas such as the western plains. As you may know, driving through rural areas off the interstates is a fascinating time for me. Last year, while I was on a drive between Lawton and Altus, OK it was quite an interesting sight to come up to an isolated rural subdivision of several dozen homes situated where mesquite bushes grow with rocky hills lining much of the horizon. But of most interest nearly every home had installed beside it a mega TV antenna system mounted atop towers up to 75 or so feet high. The antennas were usually point toward the Oklahoma City antenna farm around 100 miles away. I just can't get over how the rural people can go all out with their marvelous TV antenna installations, but for some reason can't get into TV-FM DX at least so you would know it through many pages of DX reporting in the VUD. That neck of the woods must be the fairy land of DXing. Only the fairies don't know it.

Todd Emslie, 3/2 Betty Cuthbert Ave., Errington, Sydney, AUSTRALIA

Onkyo T-9090 II FM tuner, 2 Triax stereo 8 element yagis mounted horizontally and vertically 40 ft. AGL, AOR AR300 scanner, Kenpro KR 400 2c rotator, 60 ft. DSC 2.1,75 coax Times: EST(all distances in miles.)

12/11-92 tr	mi.	12/21 Es	
0036 95.3 2ABC Lismore, News South Wales	367	1126 93.3 7ABC Launceston, Tasmania	596
0036 96.9 2ABC RN Lismore	367	1126 93.9 7ABC Hobart, Tasmania	656
0159 93.3 7ABC Launceston, Tasmania	596 mi.	1136 100.9 7TTT Hobart, Tasmania	
12/12 tr		1136 101.7 7HHO Hobart, Tasmania	
2219 96.9 3SUN Shepperton, Victoria	385	1142 92.1 7THE Hobart, Tasmania	
12/16 Es		1218 91.2 1KCF Kaitoag, New Zealand	1350
1008 92.6 4DCP Concert FM Dunedin, New Zealand	1313	1243 96.3 7GRY Geveston, Tasmania	730
1008 89.4 422B Dunedin, New Zealand	1313	1411 98.8 4ZA Invercargill, New Zealand	1330
1008 92.6 4DCP Concert FM Dunedin, New Zealand	1313	1411 94 Radio Pacific Invercargill, New Zealand	1330
12/19 Es		1411 89.2 4XF Invercargill, New Zealand	1330
1103 94 4RNZ Radio Pacific Invercargill		1411 90 4SCP Invercargill, New Zealand	
1103 98.9 4ZA Invercargill	1330	1418 90.9 2ZZM Wellington, New Zealand	1406
1103 92.6 4DCP Dunedin, New Zealand	1313	1446 90.6 2QQ Palmerston, North New Zealand	1400
12/21 Es		1446 91.9 Radio Pacific Rotorua, NZ	1380
0913 94.4 1--- Kaitaia, New Zealand	1350	1446 92.2 2XXS Palmerston, North NZ	1400

cont....

SOUTHERN FM DX

Emslie, cont.

MAY 1993

12/21 Es

1446 93.8 Radio Pacific Palmerston, North
New Zealand 1400
1446 99.2 2MCP/T Masterton 1350
1620 89 2MCP Palmerston, North NZ 1400

12/23 Es

1117 97.5 RRB Lifou, New Caledonia 1210
93.5 NRJ 2000 Noumea, New Caledonia
1140 92.2 Radio Djido Mont do 1220
1145 90.9 RFO Queva, New Caledonia 1215
1219 98.8 4ZA Invercargill, N. Zeal. 1330
92.6 4DCP Dunedin, New Zeal. 1313
89.2 4XF Invercargill 1330
1245 91.2 1KCF Kaitaia 1350
1657 93.9 VL2NI Norfolk Island 1030

12/23 Es

1657 95.9 2ABC-RN Norfolk Island 1030
1907 105.9 4ABC-FM Cairns, Queensland 1223
101.5 4ABC-FM Townsville, Queensland 1005

1/6/93 Es

1504 91.1 5SSA/T Adelaide, S. Australia 720
101.9 5ABC-RN Roxby downs, S. Australia
1507 106.7 5ABC-RN Port Pirie, South
Australia

2/4 Es

1221 90.9 4SEA Gold Coast, Queensland 400
1221 90.3 4SCR Sunshine Coast, Queensland 460

2/6 Tr

0038 100.7 3GLR Taralgon, Victoria 432
0117 91.1 3CRR Bendigo, Victoria 437

2/6 Es 1137-1406 Intense Es to New Caledonia (1210 miles) over 20 FMs received. Multi
Es from 1243-1313 93.9 USA operated tx in the Pacific Ocean with prg. "the Weekly top
40 with Rick Dee", several Army/Navy reserve advertisements noted indicating possible
AFRTS station.

2/6 tr

1406 93.3 7ABC FM Launceston, Tasmania 598
2210 93.9 7ABC FM Hobart, Tasmania 656

2/6 tr

2210 101.7 7HHO Hobart, Tasmania 656

Since this is my first contribution to Southern FM DX, I will supply some details about my background. My first attempts at tr and mw DX started in 1969 when I was just 4 years of age. FM DX was tried for the first time in 1980 and gradually the interest developed. The most distant FM signals received via tropospheric propagation here in Sydney have been Auckland and Te Aroha, New Zealand at 1400 miles. Sporadic E layer propagation has provided western Australian FM at 1900-2050 miles. During November 92 to February 92 our sporadic E season proved to be reasonable with several Australian, New Zealand, Norfolk Island and New Caledonian signals. I have included a very small sample log of DX for Nov.-Feb. During an intense New Caledonian opening on 6/2/92, an American operated outlet in the Pacific Ocean area was noted on 93.9 from a bearing of 50-60°. Norfolk Island on 93.9 is received frequently in Sydney. However, they only carry Australian material. The closest U.S. territory to Australia is Samoa, which would indicate a minimum distance of at least 2800 miles. Program material consisted of the weekly Top 40 with Rick Dee and several US Army/Navy advertisements were included with the 1-800 phone number. We've already determined that KUAM Guam was not carrying this program and KMTW Midway Island is no longer in operation. A colleague has written to the FCC for a list of FM stations operating in the Pacific Ocean. (Todd, Thanks for joining WTFDA and your report. Keep on showing us what FM DXing is all about in Australia. DB)

Jim Renfrew, 61 Wilcox St., Rochester, NY 14607

716-461-2717(home), 717-494-1847(work Tu & Th days). All times AST.

(From Puerto Plata, Dominican Republic)

3/10

1047 92.1 FM 92, Santiago
1052 91.3 La 91, Puerto Plata?
1056 96.7 Suprema 96, Moca
1100 91.7 Melodia FM, Puerto Plata?
1100 93.1 Concierto FM, Santiago
1103 94.3 KV 94, Santiago
1103 100.7 Super K, La Vega
1110 97.3 LA F 97, Puerto Plata
1116 95.1 La Sol, Santiago
1123 104.9 Canal 105, La Vega
1124 100.3 R. Monumental, Santiago
1128 90.5 R. Fantasia, Puerto Plata
1133 107.3 Suave 107, Santiago
1201 105.5 FM Clarin, Sto Domingo
1207 99.7 R. Puerto Plata, Pto Plata
1225 93.9 Novel 93, Bonao
1227 102.3 H-102, San Francisco de Mac.
1236 89.1 R. Wao, Sto Domingo
1242 89.7 WMCU, Miami, FL (730 mile trS)
1255 101.9 Amistad FM, Sto Domingo
1312 103.5 N-103, Santiago
1318 101.5 Zeta 101, Sto Domingo

3/10

1326 101.3 Double 0, Santiago
1423 98.7 Turismo, Jarabacoa
1457 97.9 R. Santa Maria, La Vega
1500 92.7 R. Novedades, La Vega

3/11

0515 93.6 PTA Airport Beacon, Pto Plata
0552 92.5 Magica FM, Sto Domingo
0556 90.1 R. Grarachita, Sto Domingo
0601 94.5 KG 94, Sto Domingo
0623 96.1 R. TV Dominicana, Sto Domingo
0758 95.7 95, Sto Domingo
0816 106.5 FM Comercial, Sto Domingo
0819 89.5 Super 89, Sto Domingo
1101 103.1 HIBE 103, Sto Domingo
1515 103.9 R. Santa Cruz, Mao

3/14

0429 95.1 Salsa 95.1, Sto Domingo
0443 98.1 universal, Sto Domingo
90.9 unidentified, Santiago

cont....

Some of these, especially the Santo Domingo stations, may have been translators. I used an FM stations list prepared several years ago by Dominican DXistas Cesar Objio of the National Radio Club and his cousin Franklin Objio. Anyone who would like a copy of the list, please write to me. Slogans are as heard over the air (and may actually represent a program name instead of ID). Most, but not all, stations appear to sign off in the early mornings. I used a Sony ICF-2010 with built in whip, which is not so good on FM. The many open channels on the band were largely silent, and might have provided some interesting Tr or ms, but I was actually much more busy trying for Medium Wave DX during this trip. No sign of Turks and Caicos, Bahamas, Cuba or Puerto Rico. as I'd hoped.

From your SFM editor...My local KKND 105.5 Stillwater, OK has just changed format to country. This is first time KKND has strayed from rock. They now go by "Y-105" but it's still KKND at top of the hour ID, though. KKND chose to keep the old DJs. The morning co-DJs may be more popular than any music since the audience generally enjoys their humorous bantering and canned productions. Cynics didn't think the rock DJs would be able to stand country music for a week since country lyrics tend to be so sad, but lasting they are. Another OK FM station switched to country is KSTW 99.5 Henryetta-Tulsa, giving the Tulsa market at least 4 country outlets compared to only 2 in the neighboring bigger Oklahoma City market. Country music is hot and no doubt the sound of the fiddle and the whine of the steel guitar will be heard more and more on FM.

Matt Sittel, 603 Fulton Rd., Apt. B-24, Tallahassee FL 32312

(904) 386-2212

Equipment: Yamaha TX900-U tuner with modified filters, Archer rabbit ears.
2nd floor apartment, about 10' AGL, 185' ASL.

2/14 tr		3/9 tr	
1009 W	97.9 FL St. Augustine, Star979	0731 WFLC	97.3 FL Miami, Coast 97.3
2/17 tr		2149 KCTL	107.5 LA Houma, C107
0704 WEZB	97.1 LA New Orleans, B97	2216 KLTG	96.5 TX Corpus Christi
0704 WQID	93.7 MS Biloxi, calls	2219 KHHX	96.5 TX Houston
2/26 tr		2226 KWVS	97.5 TX Kingsville
2009 KCIL	107.5 LA Houma, C107	2235 WLMG	101.9 LA New Orleans, Magic102
3/2 tr		2241 KRYX	99.1 TX Corpus Christi, K99
0806 WJLQ	100.7 FL Pensacola, Magic100.7	2243 KMEZ	102.9 LA Belle Chasse, calls
903 WEZY	94.1 FL Lakeland, Easy 94.1	2246 KQKQ	106.5 TX Galveston, SS
1914 WFEZ	101.3 FL Williston, Foxy, s	2247 KJZS	106.9 TX Conroe, Z Rock
2104 WNCM	88.1 FL Jacksonville, FM88	2259 KEDT	90.3 TX Corpus Christi, ID
3/8 tr START OF 3 DAYS OF GREAT DX!!		2343 XHAAA	93.1 TA Reynosa
0357 WJKB	103.7 FL Cape Coral, B103.7	3/10 tr	
0401 WAVV	101.1 FL Marco, Wave 101, b\$	0750 KXTN	107.5 TX San Antonio, calls
0412 W	92.9 FL Punta Gorda, Kix	0753 KVLV	107.9 TX Edinburg, The Valley
0418 WKZY	92.5 FL La Belle, SS	0753 W	106.9 AL Birmingham
0428 WOLZ	95.3 FL Fort Myers, Oldies953	0754 KQKQ	106.5 TX Galveston, Tejanol06
0433 WLVE	93.9 FL Miami Beach, Love 94	0759 WRKF	89.3 LA Baton Rouge, local wx
0439 WPOW	96.5 FL Miami, Power 96	0804 WQID	93.7 MS Biloxi, wx
0450 WQBA	107.5 FL Miami, SS	3/13 tr STORM OF THE CENTURY-SOME LOCALS OFF	
0454 WZZS	106.9 FL Zolfo Springs, ZZ107	1132 WKES	101.5 FL St. Petersburg, calls
0455 WIRK	107.9 FL West Palm Beach, ID	1137 WBAM	98.9 AL Montgomery, calls
0502 WZZR	92.7 FL Stuart, 92-7 ZZR	1142 WYKZ	98.7 SC Beaufort, 98.7 KissFM
0503 WSPF	90.1 FL Fort Myers, ID w/WUSF	3/14 tr WFHT STILL OFF AFTER STORM	
0515 WMCB	104.9 GA Milan, k	0959 WTKX	101.5 FL Pensacola, TK101, ID
0600 WCIE	91.1 FL Lakeland, ID	3/30 tr	
0648 WJCL	96.5 GA Savannah, Kix 96½	0659 WMAW	88.1 MS Meridian, ID
2203 W	101.1 FL Cocoa Beach	0704 WKXI	107.5 MS Magee, Kicksie 107, s
2300 WQBA	107.5 FL Miami, SS	0719 WOLZ	95.3 FL Fort Myers
2343 WGUF	92.7 FL Marco, Gulf 92.7	4/3 tr	
2345 WKRY	93.5 FL Key West, Key 93	0820 WNNX	99.7 GA Atlanta, 99X
2357 WHEW	101.9 FL Fort Myers, k		
3/9 tr			
0000 WTLN	95.3 FL Apopka, calls		
0001 WEAT	104.3 FL West Palm Beach		
0047 WRTO	98.3 FL Goulds, SS		
0049 WDLT	98.3 AL Chickasaw, 98Light		
0057 WPOW	96.5 FL Miami, Power96		
0654 WMXJ	102.7 FL Pompano Beach, Magic		
0656 WEDR	99.1 FL Miami, 99Jamz		
0659 WLVE	90.3 FL Haines City, ID		
0704 WOVV	95.5 FL Fort Pierce		
0705 WIMI	93.1 FL Miami, c\$		

The 3/8-3/10 opening was a very exciting period for DX. I was able to hear many of the South Florida FM's I had been wanting to hear. Then to log Mexico, and finally hear that area on tropo instead of via skip like I always did from Kingsport was quite a thrill. I think many of the DXers in the Gulf states will have quite a bit to report from this opening on FM and TV. It was interesting to note the weather producing this: the infamous stable high!!

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

MAY 1993

→ DEADLINE: The 5th →

LOG CUTOFF: 2 months from postmark



E-SKIP SEASON IS HERE!



DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11a tuner, Channel Master Stereo Probe 9 at 36 feet AGL on crankup tower, (826 feet ASL). Alliance HD-73 rotor and RG-11 coax.
New loggings are underlined. New call (K K K K). New propagation mode W W W W.

MARCH 1993 DX

1 tropo
14:34 CJLX 92.3 ON Belleville, call, rps 115
new to air

MARCH 1993 DX

22 tropo
14:08 WOLN 91.3 NY Olean, ID, js 66
new to air, IDs with and //
WBFO 88.7 Buffalo

Not much DX this past month. Only these two loggings worth noting. Dave

DAVE NIEMAN - HO STA GEH - ROAD-ROCK CITY, NEW YORK

Equipment: Carver TX-11 tuner IF filter modified. Antennacraft FM-10 at 25 feet AGL, (2415 feet ASL), RG-6 coax and Radio Shack rotor.
New loggings are underlined. New call (K K K K). New propagation mode W W W W.

FEBRUARY 1993 DX

27 tropo
10:20 (WENZ) 107.9 OH Cleveland, call, prs 150
ex. WPHR
13:01 (WORD) 101.5 PA Pittsburgh, ID, gs 132
ex. WPIT
13:26 WDCZ 102.7 NY Webster, ID, gs 95
local sports talk show
// WDCX 99.5 Buffalo NY

MARCH 7 tropo continued

10:12 (WVRT) 104.3 MD Baltimore, call + "Variety 104-3", rms, ex. WBSB 207
10:53 WEAA 88.9 MD Baltimore, call, S 209
11:53 WRCU 90.1 NY Hamilton, call, KS 159
20 Groundwave
12:18 WOLN 91.3 NY Olean, call, js 1
new to air, // WBFO 88.7 Buffalo

MARCH 1993 DX

7 tropo
09:26 WXXH 99.7 PA Mt. Carmel, "WSPI", rms
back on air 133

28 tropo

09:58 (WTOQ) 102.3 PA Pittston, call + "Q-102",
rs, ex WWRB 148

Except March 13 & 14; the weekend of the "BLIZZARD of 93". We've made it down to the mountain DX site at least one day each weekend.

There's a new local FM (91.3 WOLN) on in Olean. Greg Coniglio heard it and told me about it; after his trip back from central Pennsylvania. I have no idea were there transmitting antenna is yet. It must be on one of the many towers near the cabin. They can't be running much power. These signal drops off pretty quick on the trip back north. Dave

RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN ROAD - ROCKAWAY, NEW JERSEY 07866
(201) 586-3563. Equipment: REALISTIC STA-2280 with 7 110 filters (see McVey article, Nov. 1990), CHANNEL MASTER 20 element TV 45' AGL. Phased with two RADIO SHACK FM outdoor antennas stacked 7 feet apart 30' AGL and an Archer FM-TV-UHF indoor portable amplified antenna phased through a capacitor in a box and the Bolin Phase Box. (In car: Kenwood KRC-430 with 2 110 khz filters)

JANUARY 1993 DX

14 GW
0100 WPMR 107.9 PA Tobyhanna, IDing and playin heavy metal. This station showed up with a 1.7% reach in Sussex Co., NJ in a survey we conducted in mid-March, with a strong audience among 18-34 yr olds, particularly in the SW part of the county.

FEBRUARY 1993 DX

12 TrS
0122 WYGL 100.5 PA Elizabethville, Wiggle
1351 WEZF 92.9 VT Burlington, ID
1648 WSRD 104.9 NY Johnstown, Rotterdam ad
1714 WNBT 104.5 PA Wellsboro, ID
1807 WBSI 103.1 NY Bayshore, I understand this is now WBZO. Very weak at 50-60 miles.
1834 WMHR 102.9 NY Syracuse, Focus on Family
13 TrS
1424 WKPO 105.3 NY Hornell, Power 105 KPQ FM, ad for Canisteo, #800 (congrats-gc)

20 GW

2330 Pirate 87.9 non-stop rap, no IDs, Clifton area

FEB. 26th TrS

1613 WKXZ 93.9 NY Norwich, ads, IDs, WNYC off due to World Trade Center fire. I was getting this in car as far east as Lyndhurst. Over the mountains in Sussex, this one is a regular.

1830 WAVT 101.9 PA Pottsville, T102 over WQCD on low power. Was getting this in car also.
1830 WOEL 89.9 MD Elkton, and WVIA in with WKCR Off the air.
2028 WJW 101.9 NY Cherry Valley, religion with promo and 315 area code, thru WQCD, forgot to look for much needed Baltimore.
2250 WSHQ 103.5 NY Cobleskill, Light Sounds on the NCLE Entertainment Net. WPAT on low power.

MARCH 1993 DX

15 GW
1139 WPDA 106.1 NY Jeffersonville, // WPDH 101.5. Weak here, strong in Sussex County
16 GW
0054 WMNJ 88.9 NJ Madison, ID after listening for hours, my closest unheard
20 TrS
1900 WBFA 104.7 NY Montauk, Beach 104.7, this one picks up a bit on trop but isn't too strong
22 GW
1749 W7 88.9 NY Port Jervis // WLJP 89.3
27 Tr
1829 WEHM 96.7 NY East Hampton, ID, lel ads
2328 WMNB 100.1 MA North Adams, EZ FM 100.1 Berkshire weather, and calls.

RICHARD SHAFTAN's comments.

-First of all, some notes from my last report. The "WALZ" report from December 11th probably wasn't (maybe it was Florida?) since it is off the air. Also, the "WUSQ" logging that I thought was Buffalo apparently was, as it is now IDing as Q-102.

-The loggings after February 12th involve the Bolin phase box I bought from Bill Nienajadly. When Bill brought it over several months ago, I wasn't impressed with the results. What makes it work much better is adding a capacitor in the line of the main antenna before the attenuator. By tuning the capacitor, it makes the nulls much deeper as my mid-winter DX indicates.

-I am very impressed with the phase box. I can null any local in any kind of trop opening. Philly and other semi-locals can be nulled as the reports below indicate. I expect to get a few loggings this season on 105.5, where local WDHA is just three miles away. I have already received traces of other stations in the minor trop openings we have had this winter.

BRUCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO, CANADA N3T 1E2

Equipment: JVC-JRS201, receiver with 3 110 filters, Sleuth 205 amp, probe 9 fed with RG6 at 50' AGL, Crown rotor, distances are in kilometres

FEBRUARY 1993 DX22 Tr-MS

0809 WSHH 99.7 PA Pittsburgh, rm, time 299

0815 CIRO 99.7 PQ Ste-Georges-de-Beauce
k, "Le FM country", French Mx heard 837

25 Tr-Tr

0716 WBZX 99.7 OH Columbus, op, The Blitz

"This is Arnold, don't be a flabby girly man, come see me at Veterans Memorial, at 99.7 The Blitz" 418

0807 WJZR 105.9 NY Rochester, j, New Age
North Coast Radio 218

26 Tr

0848 WONE 97.5 OH Akron, "the home of rock
and roll 97.5 WONE" 248

MARCH 1993 DX1 Tr-Trs

0900 WUGN 99.7 MI Midland, g, Stereo 100 324

0912 (WTKB) 100.7 PA New Kensington, k, K-Bear

"100.7 FM New Country K-Bear", ex: WMXP,

Wonder if Chris from K-Bear Cicely, Alaska is here?

Feb. 9 Trs

0722 WANV 99.7 VA Staunton, o, Power Oldies

"50000 watts of your favourite oldies 24 hours"

Thanks for the help with ID, Greg 562

16 Trs

0808 WKLT 97.5 MI Kalkaska, r, KLT 432

21 Tr-Trs

0700 WORD 101.5 PA Pittsburgh, g, "You are
hearing the Word-FM, that's W-O-R-D, calls sung
out" Ex: WPIT 299

0713 (WXR) 104.7 PA Pittsburgh, k, Rebel

ex: WORD, WEZE, etc. 299

0800 WCSB 89.3 OH Cleveland, p, "outstanding
and we are wild WCSB" 213

0829 WHNN 96.1 MI Bay City, o, Oldies 96,

"Good Times, Great Oldies" sung out 296

0841 WJLB 97.9 MI Detroit, s&s, slow Jammin
Seventies, FM 98 WJLB 242

0846 WLLZ 98.7 MI Detroit, r, "give us a call at
298-ROCK or 298-ROLL" 242

STEVEN WEST - 26 DOUGHERTY BLVD G-8 - GLEN MILLS, PENNSYLVANIA 19342March 8, 1993 DX

2240 MS? Lite FM 92.9, probably Pittsburgh, PA

2245 MS? WBUF 92.9 NY Buffalo

The stations received may have been airplane scatter. It is the first Buffalo station received here. Equipment is a Pioneer TX-9500 II with a Radio Shack omni outdoor FM antenna inside. I was able to log WCQL 95.3 in Maine with the same setup on December 16 at 0130, for a new state. The condo association will not let anyone put an antenna outside.

MIKE REID - 1408-65 SPRING GARDEN AVE. - NORTH YORK, ONTARIO, CANADA M2N 6H9

I am presently on vacation in Florida. I have no DX to report from here because I hardly pay attention to the locals. My folks listen to WJCT 89.9 and WKTZ 90.9. I've heard enough of WKTZ to recognize any fragment on MS, hi. Anyway, WXQL 105.7 in Baldwin, FL is on the air. They ID as "Baldwin-Jacksonville-Mandarin and the Beaches". They don't do that well here w/ACI from WSOS 105.5. I am not doing alot of FM DX from home, either. The late eighties building boom in our area added alot of buildings to block DX and reflect the locals. Not to mention the increase in locals in the last six or so years. I haven't kept up with all the new stations in W.NY in recent years. I notice there are some new ones to greet me when I return home, Rochester 105.9, 102.7, & The Family Life Trio. I got WCOU 88.3 when we were home for Christmas. Can't get it due to CKLN under dead band conditions, but it doesn't take much. I notice CISS is finally on. They weren't on when we were back for Christmas. Someone I know had WBEE over them while driving in Richmond Hill, ON. WBEE used to be the easiest Rochester to get in Toronto, summer trop is going to make 92.5 a mess. I was surprised by the observations about how CISS is bothering WBEE. A longtime DXer, and exWTFDAer feels CISS led somewhat of a charmed life as far as the CRTC was concerned, with all the extensions, etc. His opinion of the management can't be printed in a family publication. I agree. I suspect they will want to move....

I suspect they will want to move and figure it will be easier if they are already on. The calls and slogan were being kept as a big secret. I had heard they were either going to come on quietly with no fanfare or with a big splash with billboard/media publicity not appearing until the day before sign on. Which was it? (Big media splash-gc). Enough of them. Missed the tower FMs off early 10/23. I did DX TV and heard from Saul Chernos the next day about the FMs. Arrgh! It is extremely rare for the tower FMs to shut down during tropes. They usually do it when there isn't any. The stations share a common power grid, so they all have to shut down if one needs to or equipment is being installed for a new one.

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Radio rivalries in Jacksonville are getting a little grave. WKQL-FM 98.9, the old-timer in the oldies format in town, started the new kid, WSTF-FM 97.9, yesterday morning with a new team dedication for its offices. It's a tombstone and mock grave that was engraved with the words "Rest in Peace WKQL 'Stiff 97'. You'll never be cool." (WKQL refers to itself as 98.9 Cool FM.) WKQL admits to the deed, but said it was all in good fun; WSTF agreed.

Mike Reid

MARCH 1993 DX

16 Tr			
2000 WHVT	90.5 OH	Clyde, g\$, ID	249
2025 (WORD)	101.5 PA	Pittsburgh, ex: WPIT, g	189
23 Tr			
2136 WGRT	102.3 MI	Port Huron, ads, over	
		WJET and CKDK, for MICHIGAN #100.	190

26 Tr			
0800 WMKX	95.9 PA	Brookville, legal o/CPL	126
2026 WBCH	100.1 MI	Hastings, k\$, calls	336
APRIL 11, 1993 DX			
1630 WCEN	106.3 MD	Cambridge, ads	334



STATION NEWS: 96.7 in Mercer, Pennsylvania has gone back to a religious format, with the calls WLFF I believe. A little farther west, in Loudonville, Ohio, WBZW 107.7 drops a new age/jazz format for satellite like a/c music. Some big changes in the Philadelphia area: Eagle 106 is no more: now they are WJJZ (106.1), and jazz music format. Down the dial, WKSZ 100.3 now uses the "Z100" slogan (so don't confuse them with WHITZ Newark) and are an upbeat adult contemporary. WFSK 88.1 Nashville is back on the air after a two year absence, with a variety of programming. WQNJ 98.5 Ocean Acres, N.J. is on the air as a relay of WJLK 94.3 Asbury Park. 99.5 Henryetta-Tulsa, OK goes country, as KCKI. In Columbus, Ohio, two suburban stations on 105.7 (Marysville) and 107.1 (Circleville) are now simulcasting a dance/urban format with the slogan "Hot 107". 88.9 in Port Jervis, NY is on the air relaying WFGB 89.7 in Kingston, NY. In San Antonio, 96.1 is now KJSL-FM and SMN Touch's format. 100.3 in Los Angeles is now soft a/c KXEZ. WPDJ 106.1 Jeffersonville, NY is on the air relaying album rock WPDH 101.5 Poughkeepsie. Two Long Island stations are on the air: WEHM 96.7 E.Hampton, and WBEA 104.7 "Beach 104.7". WYOO Springfield, Fla. is on the air, on 101.3, as news/talk. 100.1 Winchester/Lexington, Ky. is now "Young Country 100" WWYC. WKFM 104.7 Fulton-Syracuse is now country "B104.7" No new calls yet. CIRV Toronto, with ethnic programming, is now on 88.9. Three more stations to switch to a country format: WOKI 100.3 Oak Ridge, Tn., WRBQ 104.7 Tampa Bay "Q105", and WQMX 94.9 Medina-Akron, Ohio. WDNS 98.3 Bowling Green, Ky. is now country. 107.7 Dayton, Ohio is now WMMX, "Mix 107.7" and upbeat a/c format. WWEL 103.9 London, Ky. is country, using the slogan "The Wolf". WEKX Jellico, Ten. is on the air (102.7), you guessed it: country, "Kicks 102.7". WGUD 105.9 Pascagoula, Miss (country) is also now "Kicks". In Macon Georgia, 92.3 is on the air now: "Kissin Country". 107.1 in that market goes to adult standards. 94.5 Port St. Joe, Florida is now country WKNB, "B 94.5". WYLD 98.5 New Orleans goes to more of an urban a/c format "FM 98". KADU 94.9 Reserve, La. is on the air with easy listening. WDLT 98.3 Chickasaw, Ala. seems to have gone to an adult alternative format. 92.5 Ocean Springs, Miss. is on the air as "Double X" country. WXLS 107.1 Gulfport, Miss. is a/c and using the slogan "Surf 107.1". WRQO 102.1 Monticello, Miss. is country (\$) and was using Q102. 99.1 New Iberia, La. is now KKKC, "Hot Country 99.1". WJLQ 100.7 Pensacola, Fla. is now urban and "Magic 100.7". WKSM 99.5 in the Panama City area is now album rock and "99 Rock". WLGH 103.1 DeFuniak Springs, Fla. (Destin) is mono, and jazz music. WJNN 101.3 Dothan, Ala. is urban, and "101.3 & 107.5 Jams". I heard the 107.5, but I don't know where it is. US100, WXUS 100.5 Fort Rucker, Ala. seemed to play both country and oldies music. 97.1 Millbrook, Ala. is on the air with country and a "CZ 97" slogan. Hartselle, Ala 106.1 is on the air. The calls sounded like WYAM?, not sure, they were satellite a/c with a "106" slogan. 92.5 Trinity, Ala. was also on, and seemed to be album rock. WTKT 103.3 Georgetown-Lexington is "Oldies 103.3". Thanks Doug Smith, Paul Mount, George Greene, Matt Sittel, Richard Shaftan, and Bob Smolarek.

NOVEMBER 1992 DX

11 Tr (Toronto-Scarborough Bluffs)

1536 WUOM 91.7 MI Ann Arbor

1540 WCOU 88.3 NY Warsaw, g

1445 W... 102.7 Q102 or U102

Nov. 19 GW (Ottawa)

1615 Ottawa area pirate, see notes

JANUARY 1993

14 GW (Toronto-Bramalea)

1900 CKHC 91.7 ON Bramalea, Humber

College, see notes

NOTES: The November 19 pirate was in Stereo, had a good signal from the city centre to about 20 kilometres to the south, at which point it faded quickly despite the flat terrain. I caught it while leaving Ottawa by car. The male announcer played Jethro Tull, King Crimson, etc... in entire album format and said the broadcast would be eight hours long and there would be the "album-oriented rock" format. Gave a time check at 4:31 (live broadcast) and IDed as "90.1 FM Stereo". The stereo is a first for me for a pirate. CKHC is not a pirate. It is 5 watts and is run by radio and journalism students/staff at Humber College. It has the CRTCs blessing, I am told. It's low in power and has therefore probably never been noticed by nearby DXers. I was driving through the area and tuning for Michigan. CKHC was playing deathly dull mainstream soft rock, sort of like the more powerful CIXX (Six-X) 106.9 in London, run out of Fanshawe College. CKHC often IDs as "91.7". A special note to Michael Hawk: CIMX 88.7 is in Windsor, not Toronto. The 89X slogan you heard is indeed theirs. Don't mix it up with a relatively low power multilingual station on 88.7 (now 88.9-gc) in Etobicoke (west Toronto). Congratulations on some great catches Michael! CFOR 1570 Orillia ON is scheduled to switch to 105.9 Spet. 1, friends there tell me. That means CBCO will move - the CBC tells me 91.5 sometime this summer, and that 107.5 Penetanguishene will also go off the air, as 91.5 will cover the entire area. Also later this year sometime, look for a parallel signal (to these CBC signals) on 94.3 in Huntsville, Ont. I guess that would mean 105.5 will no longer be a partial affiliate. I'm looking forward to having a more open 107.5 and no slop on adjacent frequencies, maybe in time for fall tropo! 73's - Saul

ALAN R. MILLMAKER - 2714 LAKE ROAD - CENTRALIA, ILLINOIS 62801 KA9GUL

I want to add this to my last report. The station in St. Louis on 105.7 is called KPNT. Their slogan is "105.7 The Point". They play modern rock, with some oldies mixed in, like for example The Cars "You Might Think". Also WQRL Benton 106.3 has changed format, they were light rock, they now are country. Within 50 miles there are now four stations on within each other with country: WMIX 94.1 (powerhouse) (yeah, I heard them with a decent signal on I-65 near the KY/TN border-gc), WQRL 106.3 25 kw, WOOZ 99.9 Harrisburg 32 kW, and WDDD 107.3 Marion 50 kw powerhouse. On 97.1 with soul music has an ID of Mix 97.1 KXOK and AM combined. KXOK is on 630 kHz also. Also Q106.5 Granite City-St. Louis IDs as "KASP and WKBO" combined. KASP is an AM station, their format is top 40.

STATION NEWS: 94.5 Eden, NC now has the slogan "Cat Country". KAMZ in El Paso, Texas is now a bright a/c format. WQRL 106.3 in Benton, Illinois has gone country. WXQL 105.7 Baldwin, RI is on the air with an urban a/c format. There is a college station in the Toronto area on 91.7 "CKHC". See Saul Chernos' report for more details. Another relatively low powered Ontario station now on the air is CJLX 92.3, in Belleville. 104.3 Utica is still WKGW, but now classic rock and "104.3 Kix FM". IDing with Syracuse now, taking over the old 104.7 format. 96.7 in Gulfport is now classic rock and "Rock 96.7". WJDJ 93.9 Burnside, Ky. was now using the slogan "Oldies 94". 100.1 Winchester-Lexington, Ky. is now country "Young Country 100" and WWYC. WTRJ 96.9 Troy, Ohio was a/c not oldies. Ellisville, Miss. IDed as WHLV-FM. WNKR 106.5 Williamstown, Ky. is on with country, and IDed with Dry Ridge, Florence, and Walton. From the Somerset, Ky. area: WVCT 91.5 was mono, and used the slogan "Eagle 91.5 FM". WEZJ 104.3 is country. Stereo and used the slogan "EZ Country". WQLA 104.9 LaFollete, Tenn. used the slogan "Power Country Q105". 99.5 WYGO-TN used the slogan "Go 99". In Georgia, Fort Valley 97.9 is now WVTI and "Variety 97.9", and a bright a/c format. WUFF Eastman was mono, and now on 97.5, not 92.1. KADU 94.9 in Reserve, La. is easy listening. Speculation is that 107.9 in Syracuse, NY is to go country as WHEN-FM. Some slogans from the Birmingham area: WZRR 99.5 "Classic Rock 99" and WBMH 106.9 "Oldies 106.9". From Southwest Ohio. WSWO 102.3 is "Choice 102.3", WYJ 103.9 is "Oldies 104" and WVUD 99.9 is "Lite 100". Bowling Green 96.7 (KY) is satellite soft rock. Thanks Alan Millmaker, Saul Chernos, in addition to those mentioned on the previous page. Skip season is upon us, so keep an eye and ear out for it!

KIX COUNTRY 99.9
12 HOT COUNTRY Songs In A Row

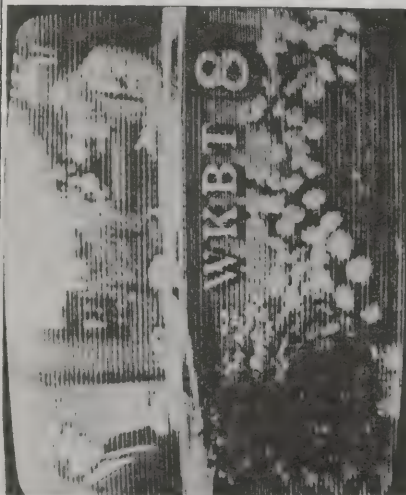
DX

PHOTO NEWS

MAY 1993

Mailing Address:
PHOTO NEWS
1975 RCA
Avenue
Akron,
New York
14001-9529

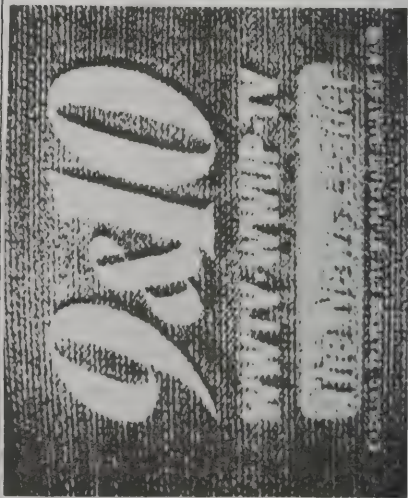
Robert
Kramer
Chicago
Illinois 16
ur
Equipment:
1975 RCA
Sony 19
Columbia
Mitsubishi
HS-422UR
Stereo VCR,
Archer U-120
UHF at 66"
and V-185
VHF at 50",
both
antennas fed
with RG-11
coax. Three
Archer
151113A
adjustable
preamps.
Alliance HD-73 rotor. Camera equipment: Ricoh XRM 35mm loaded with Kodak T-Max 400 ASA b&w film.



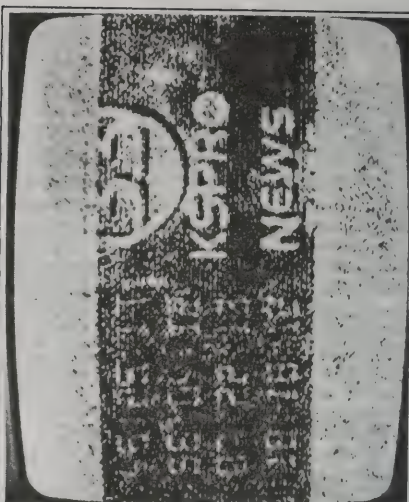
WKBT-8
La Crosse
Wisconsin
230 mile
tropo
seen
September
4, 1992
at
2230 CDT
"with
DXer
delight
news
set"



W48AV
St. Clair
Shores,
Michigan
240 mile
tropo
seen
September
5, 1992
at
0500 CDT
"Family
Network"



WWUP-10
Sault Ste.
Marie,
Michigan
372 mile
tropo
seen
September
5, 1992

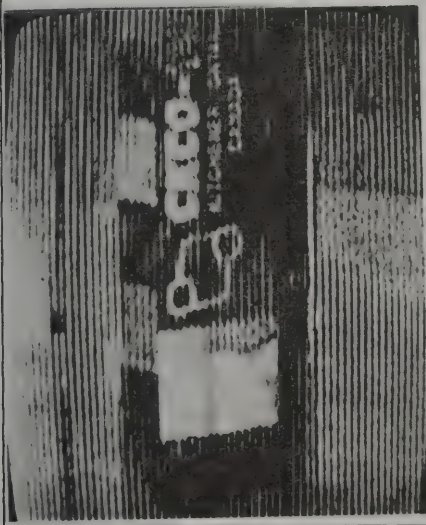


KSPR-33
Springfield
Missouri
440 mile
tropo
seen
September
13, 1992

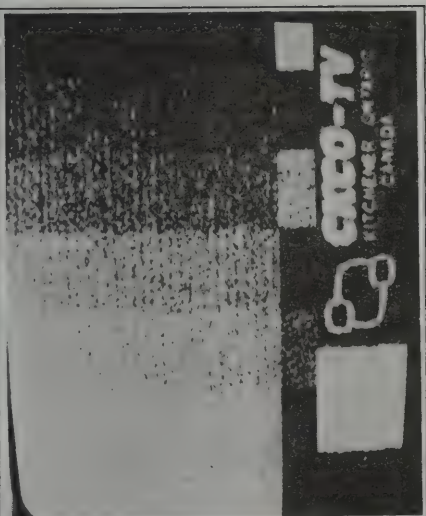
page Two

Robert
Kramer

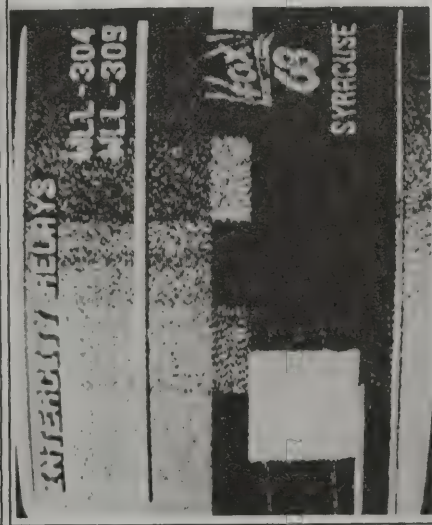
"the WSYT
photo (at
right djn)
took some
magic, the
ID was
partially
cut off at
the bottom,
so I used
the vertical
hold on the
TV to move
it up (thus
the strange
look to the
photo)"



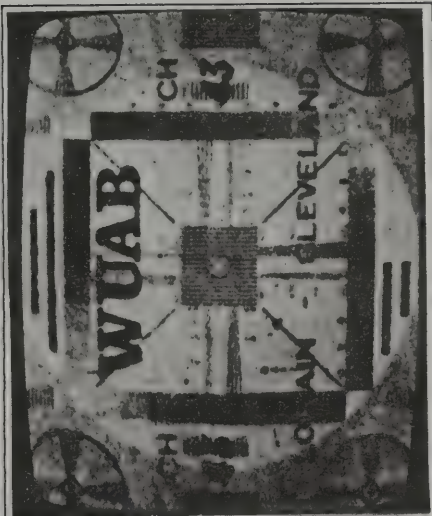
CKCO-13
Kitchener
Ontario
390 mile
tropo
seen
September
13, 1992
at
0223 CDT
"thru local
W13BE"



CKCO-42
Sarnia,
Ontario
260 mile
tropo
seen
September
13, 1992
at
0257 CDT



WSYT-68
Syracuse
New York
591 mile
tropo
seen
September
13, 1992
at
2345 CDT



WUAB-43
Lorain,
Ohio
293 mile
tropo
seen
September
14, 1992
at
0130 CDT

Robert Kramer's foto file continues next month.

Jerry Baudin-McMillan, Michigan Equipment: 13 year old Sylvania console TV, Channel Master 7 ft. UHF dish 50 ft. AGL with Winegard PA4975 preamp and RG-11 coax. Channel Master 1110 Quantum VHF at 40 ft. with 0096C cartridge preamp and RG-59 coax. Winegard CS 2073 (high band VHF ch. 7-13) at 45 ft. with Channel Master 7479 preamp and RG-6 coax.

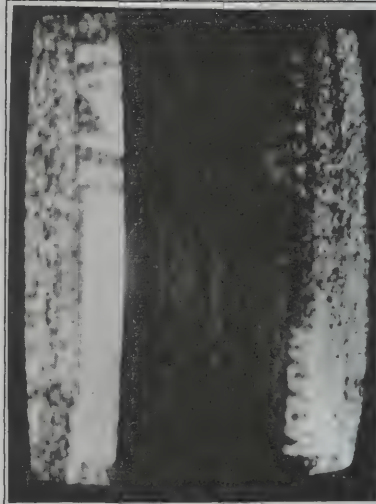


KARD-14 Monroe, Louisiana

1032 mile tropo

seen September 13, 1992 at 0149 EDT

"It was in almost snow free later but I was out of film"

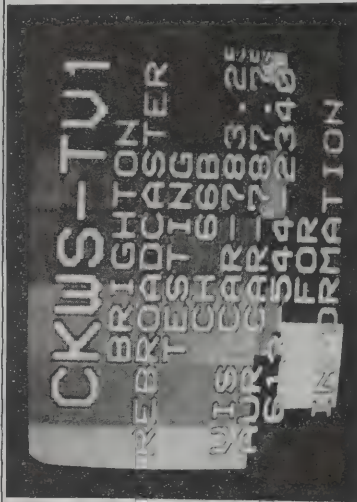


WDBD-40 Jackson, Mississippi

991 mile tropo

seen September 13, 1992 at 0300 EDT

Dave Nieman-Akron New York Equipment: RCA 19" b&w TV with Teknika 6510 tuner, Channel Master 3617B VHF on a CDE rotor at 23 feet AGL (813 feet ASL). Channel Master 4251 UHF (7" dish) with Blonder-Tongue CMA-Ub preamp on a crankup tower at 30 feet AGL (820 feet ASL) with Alliance HD-75 rotor. Using RG-11 coax for both antenna.



CKWS-TV1 Brighton Ontario

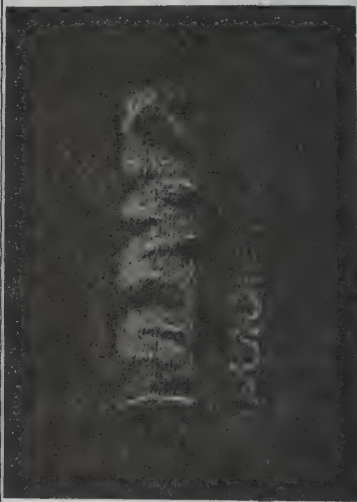
83 mile tropo

seen

October 7, 1992

at 1040 EST

"new to the air"



WLIW-TV Garden City New York

301 mile tropo

seen

October 8, 1992

at 0900 EST

"over WXXI Rochester, NY at 49 miles"

Thanks Jerry for you DX photos.

Till next time, DAVE

NASHVILLE '93 PRE-REGISTRATION FORM

Thanks for taking the time to pre-register for WTFDA Nashville '93! Your pre-registration makes it easier for us to plan transportation, snacks, tours, and assorted goodies -- in other words, to make this the best WTFDA convention yet. We're really not nosy but we would like to ask a few questions:

Name: _____
Street address: _____
City: _____ State/Prov.: _____ ZIP/PC: _____
Phone number: (____) _____ - _____

Will you need transportation from the airport? _____ (if so, send flight info when available)
Are you planning on reserving a room at Convention HQ? _____
Are you bringing your family? _____ How many, besides yourself? _____
What alternative (non-radio/TV) activities would you/your family be interested in? _____

What bands do you DX? AM FM TV VHF/UHF UTIL
Are you planning on bringing any DX gear? What kind?

Do you have any suggestions, questions, or other comments?

Advance registration fee is \$25; registration will be \$30 at the door. Why? Basically, because the more we know about how many will attend before the convention opens, the better we're able to plan. And we know, there's no incentive for early planning like a sale! The registration fee goes to pay for rent on the convention room, the Saturday night dinner, and the weekend's pop & snacks.

Mail advance registrations to:

Doug Smith	-or-	Tom Bryant
14 Brookside Court		849 Todd Preis Drive
Nashville, TN 37209		Nashville, TN 37221

For more info, call (615) 356-8305 or (615) 646-2000.

Nashville

1993

WRITTEN BY TOM BRYANT

W T F D A C O N V E N T I O N

J U L Y 23 - 24 - 25

CONVENTION HEADQUARTERS: Days Inn Central
211 North First Street
Nashville, TN 37213

RESERVATIONS: Phone: 1-800-251-3038 (mention "DX" for convention rate)
Write: Days Inn Central (Attn.: Ms. Diane Brooks)

ROOM INFORMATION: \$45 per night (1-4 occupancy)
[rate and availability guaranteed through June 15]

PRE REGISTRATION: A pullout centerfold with full details is included in this issue of VUD. It is not necessary to register in advance, but doing so will save you \$5 and help your hosts with convention preparation. **PLEASE RETURN THE PRE-REGISTRATION FORM AS SOON AS YOU CAN.**

TOURS: Your hosts will conduct tours of the facilities of WSMV (channel 4) and WSM FM/AM radio. A drive-by tour of local transmitter sites will also be offered.

PRIZES: We'll keep the list secret until convention time, but we can tell you that there will be special prizes of interest to DXers. Some will be of considerable value.

TOURIST INFO: When you arrive you will receive a packet containing lots of information about area attractions, along with souvenir items. If you need advance information please contact either of your hosts.

GUEST SPEAKERS: Our plans in this area have not been finalized. We'll keep you posted via progress reports in future VUDs.

RECEIVING SETUP: Several WTFDA members will be giving us a hand with antennas and accessories. There will be at least one setup each for VHF, UHF, FM and video playback.

BASEBALL SCHEDULE: Several inquiries prompted inclusion of this section. Nashville has two minor league teams sharing the same ballpark, and both will play home games during the week of the convention. The "EXPRESS" will take on Birmingham July 18-21 and Huntsville July 22 and 23; and the "SOUNDS" will host New Orleans July 24-26 and Buffalo July 27-30. For full details call the business office (for both teams) at 615-242-4371.

BONUS EVENT: Although it's not official, Mark Strickert says it's likely that 'a small get-together' of DecalcoMania members will be held during the WTFDA convention.

QUESTIONS? We're here to help. Just call or write:

Tom Bryant
849 Todd Preis Drive
Nashville, TN 37221
(615) 646-2000

Doug Smith
14 Brookside Court
Nashville, TN 37209
(615) 356-8305



VHF/UHF UTILITY DX



WEATHER - AIR - MARINE - PSB

BILL HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7

Deadline for Jul column: Jun 10

F2 skip continued to shine in March..with South America being received from both California & Ontario..although its seemed to have died off at my end in April. Included this time around is a profile on Weatheradio Canada stations in Québec.. Charles Gauthier of Brossard PQ informs us that most of the stations in his province ID by region names rather than cities. In this profile you'll see full details on all stations in La Belle Province. But first..

WEATHER RADIO

NEW STATIONS

-	-	ON BRITT (proposed)
-	162.55	ON KITCHENER/WATERLOO (CP, target date mid-late May)
-	162.40	ON MOUNT FOREST (CP, // 162.55 Kitchener)
XLJ-898	162.40	ON SUDBURY (EE/FF)
-	162.40	ON TOBERMORY (proposed)

MARINE

NEW STATIONS

NMQ-9	157.1	CA LONG BEACH (WX 0200-1300 Z)
NMD-44	157.1	MI HOLLAND (WX 0235-1435 Z)
		(// NMD-43 157.1 Grand Haven)
NMG-37	157.1	LA BERWICK (NIM 1000-1600-2200 Z)
N	157.1	PA PHILADELPHIA (NIM 0035-1235 Z)
T XU	160.65/161.85	SPM ST-PIERRE (FF WX 0633-1833 Z)

CHANGES

NOD	157.1	AL MOBILE (WX 2200 Z ex-1020-1220-1620-2220 Z)
NMC-6	157.1	CA MONTEREY (WX 0333-1533-1615-2345 Z ex-1615-2345 Z)
NOR	157.1	CA SAN DIEGO (WX 0103-0703 Z ex-0100-1700 Z)
NMC-17	157.1	CA SAN FRANCISCO (WX 1600-1900-2330 Z)
		(ex-1630-1900-2330 Z)
NMA-10	157.1	FL MAYPORT (WX 0015-1215 Z ex-1215-2215 Z)
NMD-47	157.1	NY BUFFALO (WX 0005-1205 Z ex-0255-1455 Z)
NMY-42	157.1	NY MORICHES (WX 0005-1205 Z ex-0010-1210 Z)
UBA-	161.9	MB FRASERWOOD (WX 1000-1130-1330-1730-2230 Z)
		(ex-0030-1130-1730-2230 Z)
UBA-	161.9	MB JACKHEAD (" ")
UBA-	161.9	MB LONG POINT (" ")
VOJ-	161.775	NF MOUNT MORIAH - CMB now EE/FF
VOJ-	161.65	NF POINTE RICHE - CMB now relays VOJ 161.65 Stephenville
		(ex-UCM, now EE/FF)
VOJ-	161.65	NF RAMEA ISLAND - separate EE CMB by Stephenville CGR
VOJ	161.65	NF STEPHENVILLE (PINE TREE) - CMB now EE/FF

DELETIONS (WX BCSTG)

NMQ-8	157.1	CA CHANNEL ISLANDS
NMG-15	157.1	LA GRAND ISLE

AERONAUTICAL .. all AM mode

NEW STATIONS

KNXP 336.5 CA TWENTYNINE PALMS - ATIS
 KBNW 120.925 IA BOONE - AWOS
 KMXD 119.275 IA MONTICELLO - AWOS
 KINU 127.825 IA NEWTON - AWOS
 KSDA 125.525 IA SHENANDOAH - AWOS
 KMTC 125.325 MI MOUNT CLEMENS - ATIS (// 270.1)
 CYLW 127.5 BC KELOWNA - ATIS
 YPG 114.6 MB PORTAGE LA PRAIRIE - VOR
 CYTS 125.4 ON TIMMINS - ATIS (unconfirmed)
 VBS 114.2 PQ SAGUENAY - VOR

CHANGES

KMGH 124.425 AL MONTGOMERY - ATIS (ex-126.65)
 GBG 109.8 IL GALESBURG - VOR/AWOS (AWOS added)
 NHZ 115.2 ME BRUNSWICK - VOR out of service UFN (ATIS deleted)

DELETIONS

GOJ 111.8 AR BLYTHEVILLE - VOR
 SKF 113.8 TX SAN ANTONIO - VOR/ATIS (KSKF ATIS still on 273.5)
 CYPG 270.5 MB PORTAGE LA PRAIRIE - ATIS (still on 120.85)

LOGGINGSdistances in miles

BRIAN WEBB - 3329 SILVER SPUR CT - THOUSAND OAKS CA - 91360-1041
 805-492-4263

Recv: Realistic PRO-2006 & PRO-2024
 Ant: 30 MHz h-dipole & 35 MHz sloping dipole

FEBRUARY 1993 (PST)

8 F2 1208 <u>KGE-406</u>	33.86	PA TARENTUM	2172 FIRE
10 F2 1026 tac/unids	34.7	USA Eastern ?	MIL convoy
14 F2 1118 <u>WNEC-677</u>	33.68	MD EASTON	2376 FIRE Talbot Co
17 F2 1049 <u>LSJ-503</u>	35.28	ARG BUENOS AIRES	6080 PAG /SS
19 F2 1317 <u>KNAH-761</u>	31.36	OK GEORGETOWN	1955 IND John Feters
23 F2 0951 <u>WYS-550</u>	31.20	VA WINCHESTER	2263 BIZ Thompson's Trash
28 F2 1226 tac/unids	30.25	USA	MIL Reserves/NG?

MARCH 1993

2 F2 1224 <u>WNMV-537</u>	37.18	VA POWHATAN	2286 FIRE Powhatan Co
1245 unid	39.925	CUB	IND agri. /SS-Cuban
7 F2 1126 <u>KGB-384</u>	37.50	PA Southeast	UTE Metropol' Edison
8 F2 1054 <u>KBY-769</u>	44.76	FL KEY LARGO	CONSRV "Coral Base"
9 F2 1055 "Control"	41.84	CUB	? /SS-Cuban

Brian notes that during the 2nd week of March, the F2 MUF reached 45.12 MHz! Not bad at all. (Now if only it were to reach 55.25 MHz! WH).
 Brian also tells us that LSJ-503 Buenos Aires is one of the only Latin American stations that he's ever heard use an automated CW ID -- "LSJS03 BS AS". Try for it while the F2 skip still allows reception up to 35 Megs! He would also like others interested in scanning around the lowband dials to give him a call (his # is listed above).

(I've seen some excellent articles in 'Monitoring Times' on lowband DXing which were authored by Mr. Webb--he's the one to turn to for hints on F2 DXing, WH.)

WILLIAM R HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7

Rcvr: Realistic PRO-2004

Ant: v-dipole in attic

MARCH 1993 (EST)

2 F2 1019	<u>LSJ-503</u>	35.28	ARG BUENOS AIRES	5470	PAG /SS
3 F2 1130	<u>KOE-257</u>	35.22	AZ PHOENIX	1870	PAG
	1726 <u>K -</u>	37.44	OR NEWBERG	2105	FOR-IND
	1748 <u>C -</u>	31.35	URG MONTEVIDEO	5510	PAG Radio Aviso /SS
4 F2 1718	<u>LSJ-503</u>	32.82	ARG BUENOS AIRES	5470	PAG /SS
	1732 <u>L -</u>	32.68	ARG SAN FRANCISCO ?		PAG R S Francisco/SS
9 AU 0051	unid	162.425	USA		NWR
14 TR 1916	<u>XJP-321</u>	140.97	ON PETERBOROUGH	86	POL OPP
27 TR 0251	<u>X -</u>	150.10	ON PETERBOROUGH	86	EMERGE OPA

Thanks to BW for the tip on LSJ-503. Plenty of unid Brazilian AM pagers on 35.55-35.90 also received. Garbled AU on the 9th first time AU definitely heard on the PSB band (it was also affecting TU 2-6, FM, TU-7).

QUÉBEC - WEATHERADIOMÉTÉO CANADA

LOCATION	XNTR SITE	LAT/LONG	CALL	FREQ	PWR	DAY STUDIO	NITE STUDIO	REGION ID	YEAR
ÎLES-DE-LA-MADELEINE		47.5 61.8	VOR-668	162.40		SEPT-ÎLES	BAIE-COMEAU	ÎLES-DE-LA-MADELEINE	'81
SEPT-ÎLES	POINTE-NOIR	50.2 66.5	XLR-519	162.55	89	SEPT-ÎLES	BAIE-COMEAU	CÔTE-NORD	'88
	BLANC-SABLON	51.5 57.2	XLR-526	162.40	89				'89
	HARRINGTON HARBOUR	50.5 53.5	XLR-606	162.55	195				'89
	KÉBASKA	50.2 61.3	XLR-529	162.475	155				'91
	MINGAN	50.2 64.1	VOR-182	162.40	182				'89
RIVIÈRE-AU-RENAUD		49.0 64.4	XLR-525	162.475	204	SEPT-ÎLES	BAIE-COMEAU	GASPÉSIE	'90
ST-CLÉOPHAS		48.5 68.2	XLR-528	162.40	87	BAIE-COMEAU		BAS-DU-FLEUVE	'89
RIMOUSKI		48.4 68.6	XLR-616	162.55	35				'90
CHICOUTIMI	MONT-VALIN	48.6 70.8	XLR-285	162.55	100	JONQUIÈRE	QUÉBEC	SAGUENAY/LAC-ST-JEAN	'89
CHIBOUGAMAU	MONT-BORDEAU	49.3 74.3	XLR-749	162.55	211	JONQUIÈRE	QUÉBEC ##	CHIBOUGAMAU	'90
GRAND-FONDS		47.8 70.2	XLR-611	162.475	151	QUÉBEC		CHARLEVOIX/CÔTE-DU-SUD	'89
BEAUCE	STE-MARGUERITE	46.3 71.2	XLR-527	162.40	75	QUÉBEC		BEAUCE	'90
QUÉBEC	MONT-BELAIR	46.8 71.5	XLN-369	162.55	213	QUÉBEC		QUÉBEC	'81
SHERBROOKE	FLEURIMONT	45.4 71.8	XLR-412	162.475	309	SHERBROOKE	MONTRÉAL	ESTRIE	'90
	MÉGANTIC		XLR-420	162.55					'92
TROIS-RIV'	MONT-CARME	46.5 72.6	XLR-411	162.40	155	TROIS-RIV'	MIRABEL	MAURICIE/BOIS-FRANCS	'90
MONTRÉAL	MONT-ROYAL	45.5 73.6	XLN-300	162.55	100	MONTRÉAL		\$ MONTRÉAL	'78
MONT-TREMBLANT			VAF-367	162.475		MIRABEL		LAURENTIDES	'92
VAL-D'OR	LITHIUM MINES	48.4 77.8	XLR-747	162.475	191	VAL-D'OR		ABITIBI-TÉMISCAMINGUE	'90
ROUYN	MONT-ABÉJIVIS	48.5 78.8	XLR-748	162.40	219				'91
VILLE-MARIE	MONT-BRUNO	47.3 79.3	XLR-750	162.55	219				'91
OTTAWA (ON)	CAMP FORTUNE	45.5 75.9	XLJ-696	162.40	100	OTTAWA		\$ OTTAWA-HULL-CORNWALL	'83

- Chibougamau bcst now made from Val-d'Or studio ?

\$ = FF & EE bcst

All bcsts in FF unless otherwise noted.

YEAR = Year the station first came on the air.

Thanks go out to Charles Gauthier & Environnement Canada for the info..

EASTERN TV-DX

Stephen West
26 Dougherty Blvd. G-8
Glen Mills, PA 19342-1140

(215) 358-2648 24 hrs/Day

Deadline: 5th of each Month

May 1993

As new editor of Eastern TV DX I would like to welcome all members to report relevant DX from the eastern side of the USA. The one rule I suggest is for reports that exceed several dozen loggings to be sent to this editor typed as they would like it to appear in this publication. If this is impossible (eg. can't borrow a typewriter, don't live near a library that has a typewriter or are legally blind and your dog can't type) you might send along extra postage inside your report to help this editor to send columns to HQ for publication, or be subject to having the report condensed.

You may report in standard column fashion or in paragraph style, DXers comments are always welcomed as they make most reports more interesting.

DX in the fall was noted from the Great Lakes area around the second week of October. Many DXers caught tropo on an unusual December 15th opening that spanned from Canada to the "Sunshine State" of Florida. (and probably included the "Moonshine State" as well)

William R. Hepburn 35 Lockwood Rd Brampton ON L6Y 4T7 (EST)

Equipment: JUC HR-D630U UCR w/attic UHF dipoles & 2nd floor UHF 4-bay

November 1992

11 Tr 2310 WMTV 15 WI 490
2329 WHA 21 WI 492
12 Tr 0553 CICI 5 ON 205
(See Note # 1)
26 ES 1958 WMAB 2 MS 873
2000 unid 5
2022 WCBI 4 MS T

December 1992

03 ES 2221 unid 4
18 ES 2352 WESH 2 FL 1020
19 ES 1506 WLBZ 2 ME T
1557 unid 5
CFRS 4 PO 546
(See Note # 2)
1558 CHCR 4 NB T

December 1992

21 ES 0030 KPRY 4 SD 1010
0040 .. MUF 96.5
0050 KUSD 2 SD 854
(See Note # 3)
0105 KNOP 2 NE 1079
1131 unid 3

Note # 1 CICI signed on as "MCTV-CIV". CKNC (Ch 9) is "MCTV-CBC".

Note # 2 - CFRS catch took me by surprise. Northeast is a RARE DX direction. A more-typical ES distance in that direction puts you in the vicinity of Labrador City -- not much ES potential there, hi. CFRS has its own separate ID. It's a member of the FF "TQS" (Television Quatre-Saisons) network located in Jonquiere.

Note # 3 - KUSD IDed as part of "South Dakota Public Television". Mono.

Final Note - New states # 25-26-27 & 28 added to the log.

Have a great '93 *Bill*

SAUL CHERNOS - 57 BERKELEY ST., TORONTO ON M5A 2W5 (416) 364-0725

July 29 Es (Peterborough)

1000 KNOP 2 NE North Platte

Aug 5 Es (Burnt River)

1900 WPBT 2 FL Miami

Aug 10 Es (BR)

1000 WESH 2 FL Daytona Beach

Sept 13 Tr (Downtown Toronto)

2300 WNPE 16 NY Watertown

2305 CICO-18 18 ON Peterborough

2315 CICO 32 ON Where???

2335 CICO- 53 ON Belleville

Sept 14 Tr (TO)

0823 CITY-31 31 ON

2100 WWTI 50 NY

2105 CB.. 56 ON

Oct 6 Tr (TO)

2115 CKWS-1 66 ON Brighton

2115 CHEX-1 22 ON Oshawa

Oct 7 Tr (TO)

0610 CBLN 40 ON London

2020 CBLFT-8 61 ON Kitchener

2022 WSYT 68 NY Syracuse

2310 CBLFT-13 15 ON Belleville

2312 CICO- 51 ON Penetanguishene

2320 CICO- 38 ON Kingston

2355 WSEE 35 PA Erie

2357 WQLN 54 PA Erie

Oct 23 Tr (TO)

0230 WQHS 61 OH Cleveland HSC

0517 WBNX 55 OH Akron

Matthew Sittel, 603 Fulton Road, Apt. B-24, Tallahassee, Florida 32312

November 1992

3 Es 2024 WSTM-3 NY (970)	17 tr 1930 WMAH-19 MS	23 tr 0241 XHAB-7 TA *
tr 2253 WFTX-36 FL (295)	1948 WJCL-22 GA	26 tr 1928 WCCB-18 NC
6 tr 2223 WTGL-52 FL	1950 WXXV-25 MS	1932 WTVI-42 NC
2225 WACX-55 FL	1954 WDIQ-2 AL	1934 WNSC-30 SC
16 tr 0712 WMAH-19 MS	18 tr 0215 WTOC-11 GA (204)	1940 WRLK-35 SC
17 tr 0752 WPBA-30 GA	0703 W23AC GA Albany	1948 WAAP-16 NC
0753 WATL-36 GA	0710 WTVM-9 GA	1950 WACH-57 SC
0753 WGNX-46 GA	0804 WSST-55 GA	1952 WFXG-54 GA
0758 WJCL-22 GA	0810 WTTT-21 AL	2257 WPDE-15 SC
1857 WJWJ-16 SC (262)	0824 WBMG-42 AL	2258 WLTN-19 SC
1906 WTGL-52 FL	0827 WABM-68 AL (254)	2259 WOLO-25 SC
1910 WFTX-36 FL	0828 WAKA-8 AL	2259 WAGT-26 (SC)

A couple of good openings; it pays to check at odd hours! * 878 miles

Roger Gravelle, 60 Valerie Street, St. Thomas, Ontario CANADA N5R 1A8

Equipment: Channel Master Para 5 UHF dish, CMAuB Blonder Tongue preamp, Electrchrome 37" TV, antenna at approximately 82 feet above ground level.

September 1992

9 tr 0630 WDKY-56 KY	24 tr 0901 WCTW-27 IL	7 1900 W50BE Mansf. OH
15 tr 0900 WRGT-45 OH (300)	October 1992	0130 CICA-51 ON (160)
0901 WTJC-26 IL (HSC)	6 tr 0630 WGKI-33 MI	0130 CBLFT-55 ON
24 tr 0859 CBN-35 IL (395)	7 tr 2330 CHEX-22 ON	0252 WGVU-35 MI (240)
0900 WJYS-62 IN (325)	2330 CBLFT-15 ON	0340 WOLF-38 PA (320)
		0340 CKWS-1 66 (220) *

Due to illness I missed the convention, did some DX. *10kw. at 250 feet

Jeff Wolf, 1131 University Blvd. W., Apt 701, Silver Spring, MD 20902

November 1992

3 tr 0735 WGTW-48 PA (t)	December 1993	15 tr 1800 WXTV-41 (NY)	20 Es 2351 UNID-3
Es 1944 UNID-2		1845 WRDC-28 NY	21 Es 0100 KGFE-2 ND
tr 2048 WYED-17 NC (248)		1851 WKFT-40 NC	s/off
2050 WTAT-24 SC (430)		2312 WVIT-30 CT (283)	30 tr 2320 WKFT-40 NC
2121 WRDC-28 NC (248)		2328 WPDE-15 SC (349)	31 tr 0029 WPDE-15 SC
2249 WKFT-40 NC	19 Es 1126 UNID-2		0200 WOLO-25 SC
4 tr 0119 WVFT-27 VA	tr 1900 WKFT-40 NC		0206 WAGT-26 SC
0159 WJKA-26 NC s/off	1912 WYED-17 NC		s/off (466)
29 Es 2225 UNID-2	20 Tr 0200 WRDC-28 NC		0218 WTAT-24 SC
			(430)

Bob Seybold, 10567 Bennett Road, Dunkirk, N.Y. 14048

This may be my last report from this location as I have sold my property with a closing date of February 28, 1993. I will not be moving very far, less than 10 miles. It will be interesting to see how my next site will compare to Dunkirk. I still have my hill but no DXing up there in the winter months.

October 5-10 had lots of good tropes such as; WMCU-14, all Ft. Wayne U's (except LPTV's), South Bend, Chicago, Cadillac and Gaylord-45 (new, repeating Cadillac-33), Rockford, WUCM-19, Bad Axe, Grand Rapids, Iron Mountain-43 (a low power station), Green Bay on 26 & 38, Milwaukee 18, 36 & 58, Decatur, WICS-20, WFIE-14 (rare), Louisville 32, Lexington 18, 36 & 46, WTAP-15, WHIZ-18, WPPQ-42, WOSU-34, Montreal 17 & 35, Hull 30, Quebec 15, Alabama on 15, 48, WMCF-45! St. Louis 30 & 46, WWAT-53 (rare), WHLT-22 MS, also Vermont and Connecticut!

Dec. 13 & 14 tropes good to Canada, Michigan, southern Kentucky and Ohio,

Jeff Falconer, Box 63, Clinton ON N0M 1L0

EQUIPMENT: Icom R7000, 25 el log periodic at 25' with rotor.

September 1992

13	Tr	1409	WDJT-58	WI	323
		1418	WVTW-18	WI	323
		1429	WYCC-20	IL	332
		1430	WMVT-36	WI	323
		1435	WEHS-60	IL	347
		1457	WSNS-44	IL	332
		1502	WLS-7	IL	332
		1527	WTTW-11	IL	332

November 1992

11	Tr	2227	WIFR-23	IL	418
		2236	WKOW-27	WI	395
		2244	WMSN-47	WI	395
		2246	WISC-3	WI	395
		2300	WGBA-26	WI	328
		2301	WVCY-30	WI	323
		2302	KDUB-40	IA	468
		2309	WMTV-15	WI	395

Stephen West, 26 Dougherty Blvd. G-8, Glen Mills, PA 19342-1140 N3FYO

September 1992

28 tr 2000 WSB-36

October 1992

7 tr 0730 WVPT-51 VA (230)
0830 WBRA-15 VA (290)

December 1992

15 tr 0845 WUNP-36 NC (260) tr 1900 WXNE-25
0930 WCNC-36 NC (420) Mass.
1000 WJZY-46 NC (420) 2000 Elmira
1730 WJZY-46 NC (420) area U's

I received the HDTV-38 from the DC area several times. WTMW-14 in Arlington, VA is still testing. A visit to the Virginia Beach area resulted in logging the HSC on Ch. 43 and the HSC Spree on Ch. 56. Ch. 68 in Driver, Va. was not on the air, and no longer listed in the Va. Beach newspapers. WVIR-29 boasts being the most powerful TV station in Virginia with five million watts. Locally the LPTV-14 in Middletown, DE is now calling itself "Family Vision" and no longer IDs with WGCN-49. WGTW-48 in Philly seems to be transmitting on Ch. 47 1/2. Ch. 63 Richmond, Va is still off the air.

Mike Reid, 1408-65 Spring Garden Avenue, North York, ON M2N 649

September 1992

5 tr 0124 WMCC-23 IN 5 tr 0425 W14AE NY
0125 WNDU-16 IN (Syracuse CH.A.)
0126 WANE-15 IN 0432 W48AP OH
WPTA-21 IN 0451 W26AB MI
0137 WEHS-60 IL 0525 WRGT-45 OH
0139 WJYS-62 IN WLIO-35 OH
0232 WKJG-33 IN WMFD-68 OH
0348 WCJU-26 IL 0537 WEYI-25 MI
0350 WTJC-26 OH 0800 WKAR-23 MI
0355 W53AX OH 9 tr 0130 Chicago U's
(VJN Cleveland, OH) 13 0330 WOCD-55 NY

14 tr 0105 WFHL-23 IL
0158 WLMT-30 TN
0615 WLAJ-53 MI
15 tr 0930 WSB-36 RI
WNAC-64 RI
WTWS-26 CT

October 1992

6 tr 1935 CKWSI-66 ON
8 tr 0046 W64AK-65 OH
(w/CBLFT-17)
(had to edit report-SW)

RADIO SAMPLER

NORTH CAROLINA

WOB-AM 1530

established 1970, Wanchese
1,000 watts
Christian
changing format April 1 to vacation info

WOB-AM "Beach" 95.3

established 1973, Wanchese
25,000 watts
adult contemporary

WRSF-FM "Duke" 105.7

established as WWOK in 1982,
clumba
100,000 watts

contemporary country

WVOD-FM "Voices of Dare" 99.1

established 1986, Manteo
50,000 watts
adult contemporary

WNHW-FM "Carolina" 92.5

established 1990, Nags Head
18,500 watts
mainstream country

WERX-FM "Rock" 102.5

established 1992, Edenton
50,000 watts
album-oriented rock

WKCL-FM "Right Music Mix" 104.1
established January 1993, Kill Devil
Hills
100,000 watts
adult contemporary

WKOC-FM "The Coast" 93.7
established as WMYK in 1973, Eliza-
beth City

became WKOC in 1991
100,000 watts
adult album rock

WGA-AM 56
established 1946, Elizabeth City
1,000 watts

light adult contemporary

WELB-FM 100.1

established 1933, Edenton
50,000 watts
contemporary gospel

WCNC-AM 1240

established 1933, Elizabeth City
1,000 watts
oldies

WKUX-FM "KIX Country" 96.7

since 1985, Elizabeth City
3,000 watts
modern country

DECEMBER 1992

MARCH 1993

MARCH 1993

19 Es 1759 KFDX-3 TX 1081
1804 KDFW-4 TX 971
2306 WTTV-4 IN 801
2307 WHBF-4 IL 1037
2318 KIMT-3 IA 1154

10 Tr 0546 WGGT-48 NC 515
0557 WHMC-23 SC 398
0602 WRJA-27 SC 376
0602 WJPM-33 SC 409
0621 KWEX-41 TX 1037
0625 KVDA-60 TX 1023
0633 KNVO-48 TX 1038

12 Tr 2245 KETH-14 TX 858
2246 KVHP-29 LA 746
2303 KXAN-36 TX 997
2306 KWEX-41 TX 1037
2325 WXXV-25 MS 490

JANUARY 1993

5 Es 1825 KTVO-3 MO 1011
1826 WMAQ-5 IL 990
1827 WHBF-4 IL 1037
1859 WCIA-3 IL 897
14 Tr 1913 Pency-Mobile U/s
1913 WMAH-19 MS 483
1914 WXXV-25 MS 490
1915 WHOA-32 AL 410
1921 Atlanta U/s 408
1932 WBMG-42 AL 473
2039 WTLK-14 GA 458

(see note #1)

(see note #5)
0641 WMAW-14 MS 527
0645 WMAH-19 MS 483
0645 WSFA-12 AL 376
0658 WHLT-22 MS 514
0700 WWSW-66 AL 369
0703 WUNJ-39 NC 429
0726 WBTW-13 SC 421
0731 WTJP-60 AL 476
0731 WCAJ-68 over local
0732 WJSP-28 GA 361
0737 WSRE-23 FL 380

13 Tr 0006 KTMD-48 TX 841
0016 KBVO-42 TX 997
0035 KNCT-46? TX T
0039 WHOA-32 AL 410
0049 KVDA-60 TX 1023
0051 KVUE-24 TX 997
0059 KXXV-25 TX 975
0112 WMAH-19 MS 483
0141 KARD-14 LA 692
0143 WJTC-44 (AL) 401
0200 WAXA-8 AL 412
0203 WMCN-45 AL 396
0205 WCOV-20 AL 397
0218 WEAR-3 (AL) 406
0224 WFL-4 LA 534
0226 WALA-10 AL 417
0226 WMPV-21 AL 401
0230 WFLA-33 LA 611
0232 WUNJ-39 NC 429

(where'd THIS come from?)

FEBRUARY 1993

26 Tr 2338 WPMI-15 AL 407
2338 WSRE-23 FL 380

MARCH 1993

2 Tr 0505 WACH-57 SC 383
0505 WOLO-25 SC 384
0507 WGGT-48 NC 515
0508 WJZY-46 NC 473
0508 WCNC-36 NC 467
0521 WLTX-19 SC 387
0527 WNSC-30 SC 438
0529 W24AY NC 457
Lilesville (WCNC-36)
(xltr/LPTV #50)

(see note #2)

7 Tr 0530 Had to leave...
1920 WPMI-15 AL 407
1920 WSRE-23 FL 380
1920 WHBR-33 (AL) 407
1937 WEIQ-42 AL 422
1938 WMPV-21 AL 401
1957 WALA-10 AL 417
2107 WRJA-27 SC 376
2107 WJPM-33 SC 409
2151 WDAU-34 AL 368
8 Tr 2210 Pency-Mobile U/s
9 Tr 0458 KHTV-39 TX 858
0458 KHSH-67 TX 858
0511 KETH-14 TX 858
0514 K4GCR LA 612
Baton Rouge (WJN)

(UHF #200)

0515 WFLA-33 LA 611
0515 KXLN-45 TX 858
0528 KRIV-26 TX 857
0530 Had to leave...
10 Tr 0312 (see note #3)
0312 WAPT-16 MS 594
0313 KLTV-22 TX 841
0313 WGBB-30 MS 512
0314 KHTV-39 TX 858
0314 KXLN-45 TX 858
0314 KTMD-48 TX 841
0319 WGNO-26 LA 530
0320 KXAN-36 TX 997
0330 unID-39 TBN

(see note #4)

0333 KARD-14 LA 692
0338 KITU-34 TX 765
0341 WGNX-46 GA 408
0343 KXTX-39 TX 970
0345 WACH-57 SC 383
0346 WLTX-19 SC 387
0346 WOLO-25 SC 384
0346 WXXV-25 MS 490
0349 KETH-14 TX 858
0351 KHSH-67 TX 858
0400 KRIV-26 TX 857
0404 WDBD-40 MS 594
0419 WMCN-45 AL 396
0426 WATL-36 GA 408
0501 WPDLE-15 SC 421
0513 WCAJ-68 AL 474
0516 WBMG-42 AL 473
0518 WCOV-20 AL 397
0521 WDHN-18 AL 305
(over local!)

29 Tr 0257 WGNO-26 LA 530
0257 WHBR-33 (AL) 407
0302 W63BS FL 100
(see note #6)
0303 WVUE-8 LA 529
0305 WPMI-15 AL 407
0306 WXXV-25 MS 490
0324 W29BH MS 480
Biloxi (TBN)

0351 K39BJ LA 602
Morgan City
(see note #7)

0356 KITU-34 TX 765
0725 WYES-12 LA 529
0725 WNOL-38 LA 529
0747 WSRE-23 FL 380
0753 WDAU-34 AL 368
30 Tr 0313 WPMI-15 AL 407
0315 WDAU-34 AL 368
0316 WGBB-30 MS 512
0324 WAPT-16 MS 594
0336 WDBD-40 MS 594
0350 WCFP-33 AL 487

APRIL 1993

11 Tr 0859 KTMD-48 TX 841
0900 KHSH-67 TX 858
0907 KRIV-26 TX 857
2135 WPMI-15 AL 407
2155 WEIQ-42 AL 422
2212 WHBR-33 (AL) 407
12 Tr 0623 KHSH-67 TX 858
0623 KHTV-39 TX 858
0623 KRIV-26 TX 857
0624 KETH-14 TX 858
0625 WAPT-16 MS 594
0625 WGNO-26 LA 530
0625 WNOL-38 LA 529
0629 KXLN-45 TX 858
0641 WHOA-32 AL 410
0641 WDAU-34 AL 368
0645 WMAU-17 MS 598
0646 WMAH-19 MS 483
0648 WMPB-29 MS 597
0649 KTMD-48 TX 841
0655 KBVO-42 TX 997

(see note #8)

0702 KADN-15 LA 667
0714 WKRG-5 AL 419
0719 KUHT-8 ? TX T
0720 WXXV-25 MS 490
0722 WATL-36 GA 408
0723 WGNX-46 GA 408
0730 Had to leave...
2151 WPMI-15 AL 407
2156 WHBR-33 (AL) 407
2156 WNOL-38 LA 529
2156 WGNO-26 LA 530
2157 KHTV-39 TX 858
2157 KXLN-45 TX 858
2234 KRIV-26 TX 857
2240 KHSH-67 TX 858

0235 W64BB MS 593
Jackson (TBN)
0236 KDTX-58 TX 970
(station #450)
0252 WCAJ-68 AL 474
0303 WMAU-17 MS 598
0306 WBMG-42 AL 473
0320 WAPT-16 MS 594
0326 WLTX-19 SC 387
0350 WDBD-40 MS 594
0429 KITU-34 TX 765
0459 KMCT-39 LA 692
0519 K4GCR LA 612
0523 WACH-57 SC 383
0601 W44AX SC 310
Charleston (TBN)
0617 WHMC-23 SC 398
0635 Houston U/s return
0636 WJTV-12 MS 599
0637 WLTV-22 MS 514
0639 WTMV-9 GA 335
(through local!)

0640 KLRT-16 AR 786
0644 unID-47 3/4 CB
0658 WITO-21 AL 473
0730 Quit -- beddie-bye!
14 Tr 0135 WPMI-15 AL 407
0015 WMPV-21 AL 401
0020 WXXV-25 MS 490
0021 KXLN-45 TX 858
0026 WSRE-23 FL 380
0036 KHSH-67 TX 858
0037 KBVO-42 TX 997
0038 KXAN-36 TX 997
0039 KHTV-39 TX 858
0039 WDAU-34 AL 368
0039 WHBR-33 (AL) 407
0041 WAPT-16 MS 594
0050 KARD-14 LA 692
0055 KLAB-31 LA 703
0103 WMAU-17 MS 598
0103 WGNO-26 LA 530
0110 WFLA-33 LA 611
0110 W47BP MS 514

Hattiesburg (WMAH-19)

(see note #9)

0111 KTMD-48 TX 841
0116 WMAH-19 MS 483
0121 WGBB-30 MS 512
0144 KRIV-26 TX 857
0157 WMPB-29 MS 597
0206 WACH-57 SC 383
0206 WLTX-19 SC 387
0208 WMAW-14 MS 527
0214 KMCT-39 LA 692
0226 WLOX-13 MS 491
0233 WDBD-40 MS 594
0449 WBMG-42 AL 473
0449 WCAJ-68 AL 474
0745 Dying but still in

Combs (continued)

(Due to the volume of DX seen, and the prolonged lack of an Eastern TV-DX editor, I have edited out 99% of DX under 350 miles (whether new or not) and most tentatives and UNIDs.)

EQUIPMENT: Radio Schlock 4-bay UHF antenna @ 20' AG, Winegard AC4990 pre-amplifier, Winegard CA4052 VHF antenna @ 15' AG, El Cheapo rotor, bargain basement coax, Teknika TVC-22 tuner, Sony Trinitron 13" color receiver/monitor, Ambassador 12" B&W TV, GoldStar and Panasonic VCRs (+ borrowed RCA VCR after panasonic died...)

Note #1: Odd opening -- in the midst of a pouring rainstorm! I didn't really give the opening my full attention as I had spent the day in the Emergency Room w/ulcer problems!

Note #2: Thanks to Matt Sittel for IDing this one -- it was driving me nuts trying to figure out who would be NBC on 24 to the northeast!

Note #3: Truly a remarkable opening in geographical scope, spanning at times from McAllen/San Antonio TX to Wilmington/Greensboro NC! Would have been a gas to be at the Outer Banks during this one: tropo from TX should be possible there, but I don't think it's been done.

Note #4: Not Morgan City LA, and not KMCT-39 which is owned by Bob Jones University (who would have serious theological problems with Charismatic ministries like TBN). So whozit?

Note #5: This is now my most distant UHF from Orlando -- topping KWEX-41 by one mile!

Note #6: My first ever "phantom" xltr -- relaying video of WBFS-33 on channel 64.

Note #7: With electronic bulletin board -- thanks to Jeff Kruzka for ID!

Note #8: Runs ID 3/4 cb with huge STL calls and teeny-tiny legal ID!

Note #9: Had to call MS ETV on the phone to confirm this as it is not in any lists! The c.e. says W47BP has an ERP of about 16 kw and went on the air 4/2/93 (just in time for this opening!). W47BP picks up WMAH-19 as its primary, which accounts for the + offset, even though Hattiesburg is assigned #47z.

It's been a good spring for Gulf tropo, although I still don't seem to get as much as Carlon Howington in St. Pete or Matt Sittel in my former QTH of Tallahassee! I've logged a lot of stations that were simply not on the air when I last DXed from Orlando, and have seen several VHF stations (like WWL-4 and WJTV-12) that I haven't logged by tropo at ANY Florida QTH in at least 15 years. Also had my first tropo to Arkansas from here since 1974. The April 12-14 session was one of the best I've seen in years -- well worth pulling an all-nighter on the 12th/13th (although I confess that it's a lot harder on the ol' bod than it was in my younger days!). Interestingly, the meteorologist on WTVT-13's noon newscast on the 13th spent a good 2-3 minutes carefully explaining the inversion and why viewers may have been getting interference from Panama City and elsewhere. A very nice, coherent, ACCURATE presentation, with graphics and everything -- refreshing! Lots of newbies have jumped the Orlando log up to 456 stations. 73, JOHN.

STATION BREAK

WTFDA STATIONBREAK
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

WANTED - To exchange TV and SWBC ID's, will send cassette of early 60's and 70's for SWBC and VHS or S/VHS for TV. Have almost full tape, 6 hours...If you'll send a VHS tape with any locals I'll return post paid an ID for ID tape, 5 for 5, 6 for 6, etc. Any DX and LPTV OK. Please enclose a self-addressed post card so I can notify you when I can get them to you. Please send high grade tape if you want S/VHS...best is Scotch Blackwatch; use TDK HDX PRO for regular VHS. No cost to you, strictly ID/air check. Send reusable cassette box and I will pay postage.
Jerry M. Stuart - Box 2652 - Lawton OK 73502

FOR SALE - Attention all DXers: after numerous requests I have finally put together a new DXERS shopping guide plus. In it you will find all equipment for DXing at prices well below list! Only UPSable items will be listed, with brand names including Antennacraft, Winegard, Channel Master, and many more...the cost for this informational sales catalogue is \$10.00. If you would like a copy, please send a check or money order in the above amount to:
Rich Wertman - 6150 Crosby Road - Lockport NY 14094

WTFDAers: YOUR ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

WESTERN TV-DX

Fred McCormack
PO Box 65666
St. Paul MN 55165-0666

(612) 735-6860

May 1993

Deadline: 06-10-93

Cut-off: 03-01-93

Only two DX reports were received this month. March was generally quiet (as is usually the case), but a few decent tropo openings were noted.

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - ● Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - \$

Robert Kramer, Box 8244, Chicago IL 60680 (N9MBK) (312-262-6299)

CST

Equipment:

1978 RCA 19" black & white, Sony 1923 19" color, Mitsubishi HS-422UR Stereo VCR, Archer U-120 UHF yagi at 68' with Winegard AP4700 preamp, Archer V-185 VHF log periodic at 58', both fed with RG-11 coax, 3 Archer adjustable preamps (Model 15-1113A), Alliance HD-73 rotor, Ricoh XRM camera loaded with Kodak T-Max 400 film.

January 1993

2 tr 0105 WBSX 31 MI 204
0107 WEYI 25 MI 219
0128 WNWO 24 OH 219
0200 WXON 20 MI 241
0239 WTVS 56 MI 241
0428 WKEF 22 OH 241
0621 WBGU 27 OH 215
6 tr 0225 KDNL 30 MO 267
0234 KBSI 23 MO 336
0335 KNLC 24 MO 267
0346 WHSL 46 IL 264
7 tr 0050 KBSI 23 MO 336
23 tr 0240 W39BH 39 IL 132
(Champaign HSS)
0241 WDRB 41 KY 278
0300 WTLW 44 OH 204
0313 KTTC 10 MN 284
0331 W33AX 33 WI 120
(Madison TBN)
0335 WHSL 46 IL 269
0337 KDNL 30 MO 267
KNLC 24 MO 267
0340 WKEF 22 OH 241
0342 WBSX 31 MI 204
WGKI 33 MI 200
0410 WXON 20 MI 241
0413 W69BJ 69 MI 177
(Lansing WAQP-49)

23 tr 0415 WTVS 56 MI 241
0435 WUPW 36 OH 219
0436 WAQP 49 MI 219
0438 CIII22 22 OH 261
0446 WGTU 29 MI 223
0500 W40AK 40 MI 118
(Muskegon CHA)
0526 WUAB 43 OH 292
0548 WNWO 24 OH 219
0550 WFUM 28 MI 220

February 1993

3 tr 2104 WBSX 31 MI 204
2105 WEYI 25 MI 219
2107 WAQP 49 MI 219
4 tr 0459 WRGU 45 OH 241
1311 WGKI 33 MI 200
1711 WCHV 27 MI 200
1846 W40AK 40 MI 118
(See Note # 1)
2237 W19BH 19 WI 90
(Janesville TBN)
7 tr 1705 KPTM 42 NE 430
1728 KIIN 12 IA 202
1800 KOLN 10 NE 477
1814 KDMS 17 IA 309
8 tr 0022 KMCI 38 KS 453
0246 KSHB 41 MO 419
28 tr 2033 KOOR 28 IA 250

March 1993

1 tr 0652 KYIN 24 IA 296
0656 WXOW 19 WI 225
0710 W33AX 33 WI 120
0720 unid channel 49
(See Note # 2)
1959 KSMQ 15 MN 297
2038 WLAX 25 WI 225
2112 WNWO 24 OH 219
2210 W33AR 33 IL 78
(Rockford WCIU-26)
2225 WKBT 8 WI 225
2300 KITN 29 MN 351
2302 WHLA 31 WI 225
2309 WGTE 30 OH 219
WBGU 27 OH 215
WBSX 31 MI 204
2343 KTIN 21 IA 336
2 tr 0008 K33AA 33 IA 258
(Ottumwa KIIN-12)
0011 K41AD 41 IA 207
(Lansing KYIN-24)
0042 WXON 20 MI 241
W19BH 19 WI 90
0552 WFUM 28 MI 220
WEYI 25 MI 219
WAQP 49 MI 219
W43AV 43 WI 80
(Waukesha HSS)

Note #1 - W40AK was not seen until recently and now in twice in less than a month. Must have increased power. Was noted with local bingo show with a 40 logo (no call letters). (W40AK was granted a CP last October. My data shows the erp was decreased by 110 Watts while the antenna height above ground was increased by 30 feet. Maybe, the new antenna has better gain toward you? fm)

Note #2 - Noncommercial station bearing a little north of west. CCI did not look like an LPTV. (Despite your observation, I feel W49AG, the WHLA-31 translator at Bloomington, Wisconsin is most likely what you saw. fm)

Some interesting off season tropo was noted. I got a new amplifier for UHF, a Winegard AP4700. It's a new model with 19 dB of gain, but it is intended for use in high RF areas. It overloads about the same as the Archer preamplifier I had been using, but with far less noise and almost 10 dB more gain. It arrived just in time for the March 1st opening. I am going to redo my antenna system this spring, replacing the Archer antennas with Channel Master. This should be completed by my next report. 73, RK

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350)

CST

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

March 1993

1 tr 1922 W29BE 29 MI 110 (Muskegon TBN)	26 tr 2235 W69BJ 69 MI 195 (Lansing WAQP-49)	27 tr 2022 Crystal Fils 100 W54AR 54 WI 100 (Fence WPNE-38)
26 tr 2027 WOSU 34 OH 375 W42AF 42 WI 80 (Ripon TBN)	27 tr 0425 Much of 3/26 0445 WEOA 49 OH 375 CICA 19 ON 405 0455 W59CA 59 MI 200 (Jackson WAQP-49)	(Sterling WQPT-24) (Snow free)
KSAX 42 MN 385 WCET 48 OH 400 W40AY 40 MI 90 (Traverse Cty WGKI-33)	0501 WSFJ 51 OH 405 CFMT 47 ON 405 1730 WUSI 16 IL 390 CBCE 16 ON 285 Central IL Us & Eastern IA Us (Snow free)	2159 WTJR 16 IL 365 28 tr 0641 @K41AD 41 IA 295 (Lansing KYIN-24) @KHIN 36 IA 445 0644 W49AG 49 WI 200 (Bloomington WHLA-31) (Morse Code ID) IPBN 21, 24, 32
WNEO 45 OH 415 Cleveland Us 355 2125 CBLFT12t 44 ON 2135 Youngstown Us (except 58) 420 WPGH 53 PA 470	1900 K65BY 65 IA 290 (Waterloo TBN)	29 tr 2100 W68AA 68 IL 300 (Danville WAND-17) W54AP 54 IL 200 (Blue Island LPTV)
2147 WDLI 17 OH 400 WQEX 16 PA 470	2013 KDSM 17 IA 355 (Snow free) K410D 41 IA 370 (Des Moines HSS)	W23AT 23 IL 175 (Chicago LPTV) (2145- Japanese) W54BET 54 IL
2208 WQLN 54 PA 410 2212 Akron Us 380 (WBNX snow free)	KHIN 36 IA 445 KPTMT 42 NE	(Sugar Grove LPTV)
2235 WOAC 67 OH 395	27 tr 2022 Iron Mtn xlt 100	

W54AP which has programming from 1700-2200 daily extended it for at least an hour beyond that as questions about Catholic doctrine were answered. A continuous string of questions and answers rolled by on a teleprompter with background music.

Jeff Kadet called and said he was getting Iron Mountain, Michigan translators good (as was I). I asked him what that one was on channel 61 and he said it was Sterling, Illinois. I was watching it off the back of the dish thinking it was from the Iron Mountain area. 73, Bill

Randy Miltier, 87 Glen Eyrie #3, San Jose CA 95125 (KK6TQ)

A DXers nightmare has occurred.... I sold my house and am now living in an apartment!! The 55' tower with a 4 element beam is gone as is the Channel Master 1160A for TV-DX. TV and amateur radio DX is dead. But, there is hope... I bought a house in Ashland, Oregon and that will be the new DX haven. 1993 will see reports from San Jose and Ashland as I will be traveling between the two until I retire from the fire department after April 1994. I just ordered a new 1160A and hope to have it up by May. A new tower will be put up also for HF, 6 meters, 2 meters and 440. In Ashland, the low band problem will be KOBI-5 in Medford, about 15 miles to the northwest. KOTI-2 in Klamath Falls is located about 50 miles northeast so they shouldn't be a problem. Also, KTVL-10 in Medford, has a translator on channel 4. KTVL-10 is an interesting story. One of the local hams in Ashland says that KTVL gained the sole right to put its tower on Mt. Ashland. Well, this is fine except their signal into Ashland, Phoenix and Talent is unwatchable.... hence the translator on channel 4 on the other side of the valley. These towns are located up against a mountain while Mt. Ashland is located behind that mountain. KTVL has excellent coverage into northern California as Mt. Ashland towers over 7200' about 20 miles from the border. Somehow, KTVL got it in writing that they can be the only TV station on Mt. Ashland. Until next time...

(Best of luck at your new Oregon QTH! fm)

WORLDWIDE TV-FM DX ASSOCIATION
SERVING THE VHF-UHF DX ENTHUSIAST

IN SEARCH OF THE ULTIMATE E-SKIP ANTENNA FOR THE VHF FM/TV SPECTRUM

by Jim McIver

E-SKIP DX will be coming in soon--are you ready? Chances are good that you are not as likely to "trip over" or "stumble into" the first big opening of the season as you once would have been. Why? A big reason has to do with a simpler type of TV antenna that was popular with viewers in the 1950's and 1960's, before terms like "color," "deep-fringe," and "stereo" were the important catch-phrases in the antenna business. Many DX'ers seem to like to depend on the all-channel rooftop rotator-turned antenna to DX E-skip signals. These usually mean a compromise for performance on certain channel 2 thru 6 skip openings. I have found that most good all channel antennas that I have installed for customers and used at home for tropo inversion DX'ing, etc., were not always the "right stuff" for skip DX'ing.

Your basic E-skip DX signal is "skywave." It comes in from over the horizon often at a relatively high angle. When you take that together with the fact that E-skip is often rather strong (typically somewhat stronger than a tropo inversion DX signal), it makes sense that a good multi-element all channel antenna might not always be the best thing to receive it. Sometimes with E-skip, less is more. I have taken down many two-bay conicals in this area--some of them 30 years and older. My customers are always glad to get rid of them and consider the nice new satellite dish or all-channel Winegard a big improvement. What do those old conicals have that a new multi-element doesn't? They respond much better to *high angle signals*. That's why "airplane flutter" is so much more noticeable on these older conicals.

Now I am sure not suggesting that everyone should go out and take down their DX TV antenna and replace it with an salvaged conical from the junk yard. Although, if you want a conical, they're still available new from some distributors, believe it or not! ChannelMaster still has one based on a 50 yr old (!) design.

What I AM trying to suggest is that if you have the room for a second E-skip antenna, go out and get yourself a coaxial "A-B" switch and a smaller, simpler "E-skip" antenna that can be mounted at 10 feet or so above ground. A garage or toolshed roof might be really ideal for this! You may not even need a rotor for it, especially if it is a smaller log or yagi with just a few elements. With the switch, you could switch between your main VHF DX'ing antenna and the lower one during E openings. Don't be surprised if the lower, simple antenna gives you slightly better to much better results during some E-skip situations. In some of the "giant" openings when everything seems to be coming in from everywhere, it can make a difference sorting through the "hash" of multi-cochannel interference on channels 2 thru 6. It works as well (maybe even a bit better) on the FM band for me, and my FM receiver is nothing special. It's something I have noticed for several years now. Added benefit: in addition to responding to the higher angle shorter skip signals better than a large multi-element antenna, the simpler, lower antenna should be picking up less tropo or semi-local groundwave signal from unwanted co-channel stations. That in itself can be a great help!

In my opinion, if you were to DX E-skip, and nothing but E-skip exclusively, the best all-around antenna would be a 5-element cut-to-channel, rotatable, and of variable height. Of course, it isn't too practical to have something like this for every channel and frequency we're interested in! Having the aforementioned lower, simpler antenna and A-B switching arrangement with your main DXing antenna system would be a practical alternative. Good E-skip DX'ing to all--and let us hope it's a long season with plenty of cochannel complaints to all our locals!!!



TYPICAL ALL-CHANNEL ANTENNA



5-EL. CUT CHANNEL YAGI



TWO-BAY CONICAL

A VHF SKIP BIBLIOGRAPHY

AN INCOMPLETE "REFERENCE TO THE REFERENCES" FOR THOSE WHO ENJOY
READING, STUDYING, AND LEARNING MORE ABOUT VHF PROPAGATION

by Mike Hawk, NØOSY

The following is a list of articles concerning propagation which have appeared in various magazines. Many other articles have appeared, but the ones listed are regarded the highest by the "experts". Hopefully it will give a few good examples of articles concerning every type of propagation. Besides the articles listed in the QST section, a column called "The World Above 50 MHz" has valuable information nearly every month. QST should be carried in nearly every major library. Even if copies of the magazine itself aren't available, don't forget to check the microfilm files. The Omaha Public Library, for example, has every QST on microfilm from 1949 to the current date. Various journals, such as "Radio Science", "Journal of Atmospheric and Terrestrial Physics", several IEEE titles, and the "Journal of Geophysical Research" many times contain highly technical propagation information.

QST(1965-current)

- 1967 JAN pp. 83-85 "November Leonids-Shower of a Lifetime"
- JUN pp. 24-28 "Working 2 Meter E-Layer DX"
- 1968 MAY pp. 36-40 "Auroral Notes"
- 1970 DEC pp. 52-58 "Midlatitude Intense Sporadic-E Propagation"
- 1971 MAR pp. 54-57 part II of the above article
- 1974 MAY pp. 41-47 "VHF Propagation by Meteor Trail Ionization"
- NOV pp. 27-31 "Scattering Characteristics of Artificial Radio Aurora"
- 1978 OCT pp. 11-14 "A Newly Discovered Mode of VHF Propagation"
- 1981 NOV pp. 31-36 "The Euro-Asia to Africa VHF TE Circuit During Solar Cycle 21"
- DEC pp. 23-27 Part II of the above article.
- 1982 JAN pp. 30-32 "Ionospheric Propagation by Field Aligned Irregularities"
- 1983 MAY pp. 11-16 "The Weather That Brings VHF DX"
- NOV pp. 43-48 "Tropospheric-Scatter Propagation"
- 1986 JAN pp. 14-17 "Meteor-Scatter Communications"
- JUN pp. 14-20 "VHF Meteor Scatter - An Astronomical Perspective"
- 1988 MAY pp. 21-29 "The Great Sporadic-E Opening of June 14, 1987"
- APR pp. 33-39 "Sporadic-E Propagation at VHF-A Review of Progress & Prospects"
- 1989 JUN pp. 18-20 "Propagation Forecasting During Solar Cycle 22"
- DEC pp. 28-32 "Auroral-E Propagation at 144 MHz"
- 1990 MAR pp. 20-25 "Practical Radio Aurora"
- 1991 APR pp. 22-27 "Midrange Forecasts of Solar and Geomagnetic Activity"
- NOV pp. 20-24 "Propagation Broadcasts and Forecasts Demystified"
- 1992 MAR pp. 23-28 "Eleven Years of Sporadic-E" (A must read co-written by Pat Dyer)
- JUL pp. 29-30 "The Perseids Meteor Storm"
- 1993 MAR pp. 32-34 "Predicting Transatlantic 50-MHz F-Layer Propagation"
- APR p. 73 "Technical Correspondence - Sporadic-E Causes"

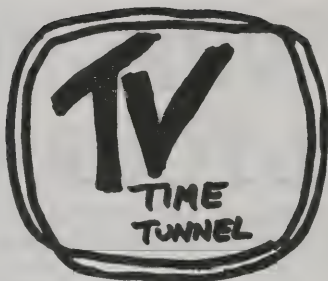
OTHER ARTICLES

- 1984 JUN pp. 82-92 "Improving Meteor Scatter Communications" - Ham Radio
- 1987 JAN pp. 7-10 "The Great Aurora of February 1986" - QEX
- 1988 JUL pp. 10-12, 17-19, 22, 25-28, 31-15 "Sporadic-E and 50MHz Transatlantic Propagation" - Ham Radio
- 1989 MAY pp. 37-41 "An Intro. to Sporadic-E" - Radio Communication (RSGB*)
- JUN pp. 37-39 part II
- JUL pp. 51-54 part III
- AUG pp. 48-52 part IV
- 1990 OCT pp. 17-19 "The Sporadic-E Season of 1989 in Review" - QEX
- 1993 MAR pp. 19-28 "Sporadic-E and Aurora Propagation" - World Radio

WRITTEN BY:

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TENNESSEE
37221

(615) 646-2000



WTFDA 1993
CONVENTION

JULY 23, 24 & 25

NASHVILLE, TENNESSEE

PLAN NOW
TO ATTEND

PHILADELPHIA - - - WESTINGHOUSE v. RCA

INTRODUCTION: Many of you will recall the 1956 facility swap involving the NBC owned stations in Cleveland and the Westinghouse properties in Philadelphia. You probably also remember that almost ten years later the deal was reversed; but do you know why? Stand by for the answer.

THE PLAYERS: By the early 1950s there was no question that the RCA/NBC alliance was the most powerful in the television industry. They manufactured the majority of transmitting, studio, and home receiving equipment; they owned and operated stations in major markets, they operated the premiere television network; and they had recently become the frontrunner in color technology. On the other hand, Westinghouse (owner of less than a handful of early tv stations) was considered, at best, to be a secondary industry force.

BACKGROUND: Channel 3 in Philadelphia began operation in 1948 as WPTZ (tv); a licensee of the Philco Corporation. (Note for younger readers: Philco had manufactured radios for years and also marketed first generation tv receivers.) In 1953 Philco sold the station to Westinghouse; long-time owner of Philadelphia's KYW Radio. The new owners retained the WPTZ call letters for channel 3. It was a lucrative deal with Philco pocketing a hefty [for that time] \$8.5 million for the NBC network affiliate. It was also 1948 when NBC put WNBK (tv) on the air on channel 3 in Cleveland. NBC also owned and operated WTAM AM & FM in the Ohio city.

THE TURF...PHILADELPHIA: NBC did not own a station in 'The City of Brotherly Love'...and they wanted one badly. Why the RCA subsidiary was not in Philly at the onset of commercial licensing is speculative...as is their failure to buy channel 3 from original owner Philco. (Ed. note: I don't have any information as to whether RCA/NBC made a bid at the time Westinghouse bought WPTZ, but suspect they may have; and were outbid by Group W.) At any rate, NBC made overtures to Westinghouse entailing a 'swap' of their AM FM and TV operations in Cleveland...plus \$3 million cash...for the Westinghouse AM-TV combo in Philadelphia. With due apologies to Clevelanders, the reason for the proposal is obvious...NBC wanted the bigger market with much greater revenue potential.

NICE OFFER...BUT...: Westinghouse initially rejected the RCA/NBC proposal, indicating it was quite happy with things the way they stood. However the Sarnoff (RCA) camp in New York wasn't going to take no for an answer and threatened to move into Philadelphia and build their own operation from scratch (assuming they could obtain a license for a new channel). They further threatened to yank the NBC affiliation away from WPTZ. When Westinghouse assessed the damage potential of the situation, they decided they had been backed into a corner; and that it would be prudent to accept the offer rather than risk the consequences. As a result, on February 13, 1956, WPTZ ceased to exist and became WRCV-TV; and WNBK became KYW-TV. The radio companions simultaneously became KYW AM & FM (Cleveland) and WRCV [AM] (Philadelphia).

continued...next page

WESTINGHOUSE vs RCA...continued:

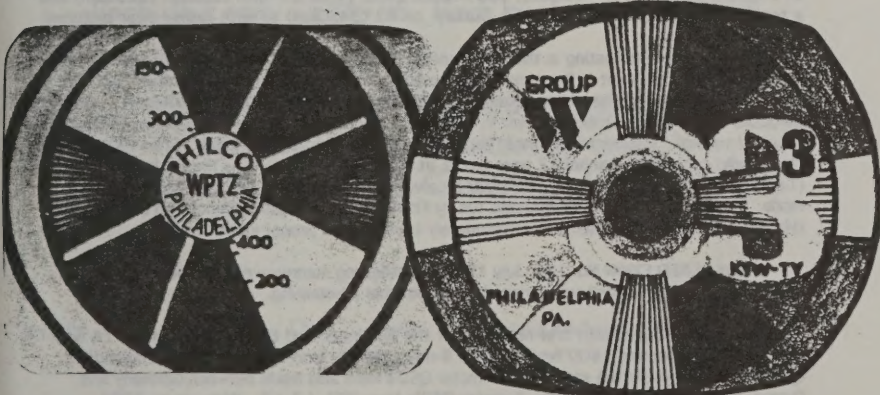
A DONE DEAL?: Although RCA/NBC had achieved its' goal, Westinghouse was far from pleased and filed a lawsuit contesting the validity of the transaction claiming it had been a victim of coercion. The fight was on! This was a legal battle royal of two corporate giants. Although RCA/NBC was the larger of the two in the broadcast arena, Westinghouse was no midget. It too was a group owner of radio and tv stations; as well as a manufacturer of tv receivers, electrical hardware, and appliances.

A LAWYER'S DREAM: Public records do not reflect the cost of the ensuing litigation, but it's safe to assume that at least two law firms shoveled in enormous amounts of legal fees in this matter. It took almost 9 years to reach a settlement. When the wrangling finally ended, a federal court had decided that RCA/NBC had indeed engaged in coercion; and issued an order that the Federal Communications Commission cause the parties involved to return the properties to their original owners.

THE AFTERMATH: On February 17, 1965 the KYW calls were returned to Philadelphia (channel 3 did not revert to WPTZ, but became KYW-TV...radio went back to KYW) under Westinghouse ownership. NBC's forced return to Cleveland brought about still another set of call letters...WKYC AM, FM and TV...forsaking the original WNBK/WTAM identification.

STILL LATER: Over the years, Westinghouse has made very few changes in its' portfolio of broadcast holdings; and the KYW properties have remained in the Group W camp to this day. The story was slightly different in Cleveland. RCA/NBC sold the radio stations about five years after the re-swap with Westinghouse; and RCA/NBC's successor General Electric sold WKYC-tv to Metromedia in 1990.

SUMMARY: This particular case is unparalleled in U.S. broadcast history. It is the only scenario where an FCC approved transfer of major market properties (involving large group owners) was voided by court order and the parties mandated by the FCC to return the facilities to pre-transfer ownership status. Information is not available as to whether Westinghouse had to return the \$3 million cash from the original transfer to RCA; nor is mention made as to whether NBC was compelled to pay the Westinghouse court costs for the prolonged period of adjudication.



THE WPTZ TEST PATTERN DATES BACK TO EARLY PHILCO OWNERSHIP. THE KYW-TV ILLUSTRATION WAS HAND-DRAWN BY WTFDA MEMBER ROBERT WILLIAMS OF TWIN FALLS, ID. (KYW-TV STILL USES THIS PATTERN DURING EQUIPMENT TESTS.) NO SUITABLE WNBK OR WRCV ILLUSTRATIONS WERE AVAILABLE. Thanks to Jim Chase of KYW-TV along with several WTFDA'ers for additional source material. A final note of interest to AM radio historians...KYW is probably the only call to be used continuously by the same owner in three different cities...Chicago, Philadelphia, Cleveland, then back to Philadelphia.

LAST YEAR'S E-SKIP: REMARKABLE SIMILARITIES ON BOTH SIDES OF THE ATLANTIC!

by Joop J. Prosée, Spanbroek HOLLAND

Let me first start with a short description of the 1992 Es-season as we here in Northwestern Europe experienced it. Also will follow the European story about the transAtlantic-Es of the 22nd of June 1992. Unfortunately it looks like this TA passed over here in Holland??

When I read the description (September 1992 VUD, page 54) concerning the USA 1992 Es-season, it strikes me that the characters of this season were remarkably similar! Here too were long periods with absolutely no Es TVDX conditions at all and just when hope was given up completely for seeing nice Es TV DX, conditions turned to the other side of the scale, with very reasonable to even excellent Es- possibilities. When conditions were good, mostly for several days in a row, a rather unusual characteristic could be witnessed. In our part of the world it is more or less normal with Es-conditions that you receive Es from one direction at the time. In the summer of 1992, most of the times Es occurred, it came from all directions at the same time! Norway / Finland / Commonwealth of Independent States (ex-USSR) / ex-Yugoslavia / Italy / Spain and Portugal could be received at the same time, there was no outspoken preference for one direction as was quite normal during former Es-seasons here in Western Europe. I could say: 1992 was the "Random-Es Year" in Europe.

On the other hand, when Es-TVDX became possible, most of the time conditions were astonishingly good. Band-1 (ie: low band) TV transmitters could be received from the Middle-East at least on 9(!) separate days in May, June and July with, just like in 1990 many receptions of Iranian TV transmitters on channels E2, E3 & E4 over distances of at least 4000km and maybe considerably more! Syria could be seen too several times on E3 and E4, also rather unusual! Only the reception of the Jordan E3 transmitter can more or less be considered as normal.

On the 17th of June I myself received besides SRT1 (3155km), and JTV1 (3375km) on ch E3 and IRIB ch E2 (+/-4000km), also MIDDLE EAST TV on E3 from Lebanon (3230km) and a tentative reception of TRT1 Bagisli, Turkey on E3 (3430km) all with rather clear pictures!

Also rather interesting is the Es-reception of 6 meter-HAM's and TV-stations from the North American continent in Germany in the northern city of Bremen on "Superday:" 22th of June, 1992. The same date as is mentioned in September 1992's VUD "Special Report." On that particular date Frank Helmbold, editor in chief of the German TV/FMDX magazine REFLEXION, received several TV transmitters most likely to be originating from Canada. Via an ICOM R7000 three audio carriers of channel A2 were heard, at least one of them in the French language (Tentative: Rimouski, QUEBEC!). Offsets received: -10 kHz, Zero, +10 kHz in FM narrow-mode. TV-channel A3 could be detected too by Frank. On A3's audiofrequency two offsets -10 kHz and + 10 kHz were detected, unfortunately too weak for proper identification.

Out of REFLEXION No. 105, July 1992 the following summary of the things that happened in northern Germany during that remarkable Es-opening.

Start: 1245 hrs, with first reception of the Newfoundland 6-meter beacon VO1ZA with strength: 559. Around 1600 hrs first USA 6-meter HAM's from K1 / W1 (New England) in QSO with Germany. At the same time, 6-meter QSO's were also made between Germany and Cyprus + Israel. Around 1800 hrs 6-meter QSO's from VE1 / 2 / 3. With, up to 2200 reception of the Greenland Beacon OX3VHF and 6-meter QSO's with the Azores. Around 2210 hrs the reception of audio signals of TV-Channels A2 and A3 by Frank Helmbold in Bremen GERMANY. 6-meter traffic between Germany and USA/Canada up to 2358 hrs. Then this wonderful "TransAtlantic" Es-opening for more than 11 hours had come to an end. Unfortunately it appears that this particular 22nd of June "TransAtlantic" had only minor impact in Holland. I only managed to receive in the above mentioned timewindow one HAM from Cuba in the 10-meterband and the 29.250 MHz Lebanon packet transmitter both via Es-propagation. (Note: All times mentioned are in GMT/UTC.)



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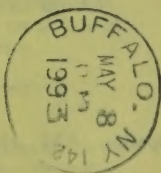
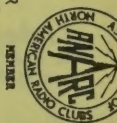
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